

DYECHEM ALLIANCE TAIWAN CO., LTD.
友發貿易有限公司

6TH FL., 165, NANKING E. ROAD, SEC. 2,
TAIPEI, TAIWAN 10485, REPUBLIC OF CHINA
10485 台北市南京東路二段 165 號 6 樓
E-mail: dyechem8@yahoo.com.tw

TEL:(886)2-2507 2257
FAX:(886)2-2508 4493

YOUR REF:

OUR REF:

DATE:

Safety Data Sheet

Revision Date : 15.03.2021

WELCRON YELLOW H-ACE

5-1

1. Identification of the substance/preparation and company

WELCRON YELLOW H-ACE

Use pattern:

Textile dye

Company : DYECHEM ALLIANCE TAIWAN CO., LTD.
Address : 6TH FL., 165, NANKING E. ROAD, SEC. 2,
TAIPEI, TAIWAN 10485, REPUBLIC OF CHINA

Emergency phone : (886)2-2507 2257

2. Hazards Identification:

No labeling is required in accordance with the GHS directives.

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: wear protective gloves/protective clothing/eye protection/face protection.
P363: Wash contaminated clothing before reuse.
P302+P352: If on skin: Wash with soap and water.
P501: Dispose of contents/container to waste treatment in accordance with national regulations.

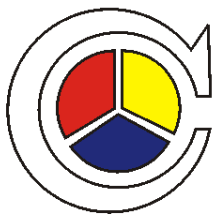
3. Composition/Information On Ingredients :

Mixture of quinophthalone disperse dyestuffs preparation

4. First Aid Measures :

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.



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After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible, with the addition of activated carbon. If the patient feels unwell, seek medical advice.

5. Fire-Fighting Measures :

Suitable extinguishing media: water mist, foam, dry powder

Extinguishing media that must not be used for safety reasons: CO₂

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures:

Personal precautions: Avoid formation and deposition of dust.

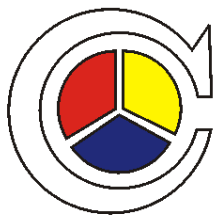
Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labeled, sealable containers.

Additional information: For further disposal measures see chapter 13.

7. Handling and Storage:

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.



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Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.

Storage class: 11 Combustible solids

Storage stability: Storage period: 60 Months

8. Exposure Controls/Personal Protection:

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food drink stuffs. Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter.

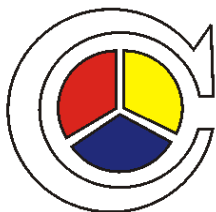
Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection: safety glasses with side protection shield.

Body protection: Wear protective clothing.

9. Physical And Chemical Properties :

Form:	Granule
Colour:	Yellow
Odour:	Odourless
Melting point:	approx. 300°C
Ignition temperature:	approx. 300°C
Bulk density:	approx. 600 kg/m ³
Solubility in water:	Dispersible



DYECHAM ALLIANCE TAIWAN CO., LTD.
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pH value: approx. 9.0 (100 g/l)
Water

10. Stability and Reactivity:

Thermal decomposition From 180°C

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

11. Toxicological Information:

Acute oral toxicity: LD50 > 5,000 mg/kg (rat)

Irritant effect on skin: non-irritant (rabbit)

Irritant effect on eyes: non-irritant (rabbit eye)

Remarks: Test results of an analogous product.

12. Ecological Information:

Biodegradability: 30 – 60%
Evaluated from the components

Fish toxicity: LC50 > 500 mg/l (96h, Oryzias Latipes)

Bacteria toxicity: 100 – 1,000 mg/l

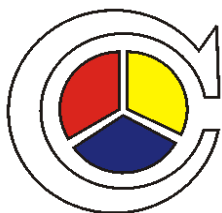
Chemical oxygen demand (COD): 1500 mg/g

Biochemical oxygen demand (BOD5): 30 mg/g

Remarks: Test results of an analogous product.

Product may add with max. 0.7% to the AOX-value of the sewage (DIN 38409)
The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.
The product does not contain phosphates or organophosphorus compounds.



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13. Disposal Considerations:

Product: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Unclean packaging: Soiled, empty containers are to be treated in the same way as the contents

14. Transport Information :

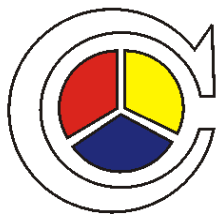
ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods
Other Information	Keep separated from foodstuffs.

15. Regulatory Information :

Water Hazard class (Ger): WGK 1-slightly hazardous to water WGK=Classification in accordance with the German Water Resources Act Annex 2 VwVwS (Germany) dated May, 17th 1999.

16. Other Information :

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.



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Use pattern:

Textile dye

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Emergency phone : (886)2-2507 2257

2. Hazards Identification:

No labeling is required in accordance with the GHS directives.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: ear protective gloves/protective clothing/eye protection/face protection.

P363: Wash contaminated clothing before reuse.

P302+P352: If on skin: Wash with soap and water.

P501: Dispose of contents/container to waste treatment in accordance with national regulations.

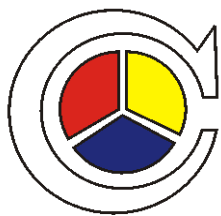
3. Composition/Information On Ingredients :

Anthraquinone disperse dyestuff preparation

4. First Aid Measures :

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.



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After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible, with the addition of activated carbon. If the patient feels unwell, seek medical advice.

5. Fire-Fighting Measures :

Suitable extinguishing media: water mist, foam, dry powder
Extinguishing media that must not be used for safety reasons: CO₂

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures:

Personal precautions: Avoid formation and deposition of dust.

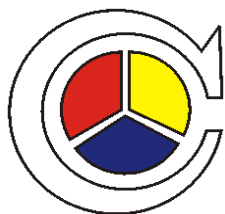
Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labeled, sealable containers.

Additional information: For further disposal measures see chapter 13.

7. Handling and Storage:

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.



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Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.

Storage class: 11 Combustible solids

Storage stability: Storage period: 60 Months

8. Exposure Controls/Personal Protection:

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food drink stuffs. Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter.

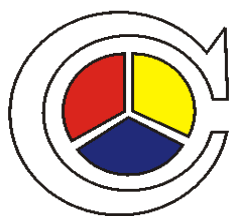
Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection: safety glasses with side protection shield.

Body protection: Wear protective clothing.

9. Physical And Chemical Properties :

Form:	Granule
Colour:	Red
Odour:	Odourless
Bulk density:	approx. 600 kg/m ³
Solubility in water:	dispersible
pH value:	9.0 - 10.0 (10 g/l)
	Water



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Impact sensitivity: Not impact-sensitive

10. Stability and Reactivity:

Thermal decomposition From 180°C

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

11. Toxicological Information:

Acute oral toxicity: LD50 > 5,000 mg/kg (rat)

Irritant effect on skin: non-irritant (rabbit)

Irritant effect on eyes: non-irritant (rabbit eye)

Remarks: Test results from a similarly composed product.

12. Ecological Information:

Biodegradability: 30 – 60%
Method: Batch method

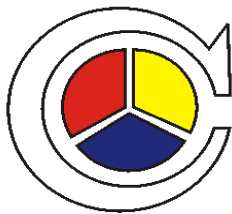
Fish toxicity: LC50 100 – 500 mg/l (96h, Oryzias Latipes)

Bacteria toxicity: > 100 mg/l
Method: 50% -inhibitory effects:
Test procedure: Respiratory inhibition of activated sludge organisms according to D. Brown et al., Chemosphere, 10(3), 245-261(1981), and conforming to OECD Guideline 209.

Chemical oxygen demand (COD): 1700 mg/g

Biochemical oxygen demand (BOD5): 30 mg/g

Remarks:



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Product does not add to the AOX-value of the sewage. (DIN EN 1485)

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

13. Disposal Considerations:

Product: if utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Unclean packaging: Soiled, empty containers are to be treated in the same way as the contents

14. Transport Information :

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other
Information Keep dry. Keep separated from foodstuffs.

15. Regulatory Information :

Water Hazard class (Ger): WGK 1-slightly hazardous to water WGK=Classification
in accordance with the German Water Resources Act Annex
2 VwVwS (Germany) dated May, 17th 1999.



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WELCRON RED H-ACE

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16. Other Information :

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Safety Data Sheet

Fluorescent Brightener T-XFR

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name : Fluorescent Brightener T-XFR

Chemical product name: C.I. Fluorescent Brightener 374-1

Product Use : Textile Industry

Proper Shipping name : T-XFR

Chemical Formula: : $C_{24}H_{16}N_2$

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Optical Brighten Agent

Uses advised against : No data available

1.3 Details of the supplier of the safety data sheet

Registered company name: YIJIN CHEMICAL Co. Ltd.

Address : 5F.-2, No.23, Huizhong 3rd St., Xitun Dist., Taichung City 407, Taiwan (R.O.C.)

Telephone : 886-4-22450655 **Fax :** 886-4-22175606

1.4 Emergency telephone number

Association / Organization: Shipping Dept / Oversea Sales Dept.

Emergency Tel : 886-4-22450655

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

DSD classification: : In case of substances classification has been prepared by following DPD (Directive 99/45/EC) and CLP (Regulation (EC) No 1272/2008 regulations

DSD classification : Non-hazardous goods

2.2. Label elements

Emergency Overview : —

Hazard : —

CLP criteria : —

Precautionary Statements

Prevention code	Phrase
P280	Wear protective clothing /protective gloves/eye protection/face protection
Response code	Phrase
P302+P352	IF ON SHIN: Wash with plenty soap and water immediately.
P305+P352+P313	IF IN EYES: Wash with plenty soap and water and get medical attention immediately.
P301+P330+P310	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink plenty of water and get medical attention immediately.
P305+P352+P313	IF IN EYES: Wash with plenty soap and water and get medical attention immediately.
Disposal code	Phrase
P501	Dispose of contents/container in accordance with local / notional regulation

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Substances Component Name	Content(%)	CAS NO	CI NO	EINECS
Benzonitrile,2-(2-(4-(2-(4-cyanophenyl)ethenyl)phenyl)ethenyl)-	27	13001-38-2	C.I. Fluorescent Brightener 374-1	235-834-6
Identification of PBT / vPvB substances /mixtures:	No data available			

Section 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Take the patient into the fresh air, if there is difficulty in breathing, medical advice is required

Contact with skin : After contact with skin, wash immediately with plenty soap and water

Contact with eyes : If in eyes, wash with plenty of water and get immediate medical attention

Ingestion : If swallowed, the patient must drink plenty of water immediately.
If the patient feels unwell, seek medical advice.

Section 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media : Water mist 、 foam 、 dry chemical powder 、 carbon dioxide.

Extinguishing media that must not be used for safety reasons : None

Special hazards from the substance itself, its combustion products or from its vapors : Carbon monoxide(CO) Nitrogen oxides(NOx) 、 Sulphur oxide

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precaution, protective equipment	Use the necessary personal protection equipment during any work Wear protective clothing /protective gloves/eye protection/face protection
Minor Spills	Clean up spill immediately Wipe up
Major Spills	Wash area and prevent runoff into drains.
6.2 Environmental Precaution	Clean area of personnel and move upwind. Do not empty into drains or waters
6.3 Methods for cleaning up/ taking up	Take up with absorbent material and fill into a closable container
6.4 Additional information	For further disposal measures see Chapter 13

Section 7 - HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling : Close container immediately after use, avoid excessive heat

Fire and explosion protection

Advice on protection against fire and explosion : No special measures against fire or explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirement for storage room and vessels : Store sealed in original container in a cool place

Further information on storage conditions : Stir before using.

Storage class : 12 Non-combustible liquids

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Personal protection

General protective measures : Do not breathe vapor / spray. Avoid contact with eyes and skin. Take off immediately

all contaminated clothing

Hygiene measures : Do not eat, drink or smoke at work

Wash hands before break and at end of work and use skin-protecting ointment

If swallowed, drink plenty of water and get medical attention immediately.

Wear protective clothing /protective gloves/eye protection/face protection

Dispose of contents/container in accordance with local / national regulation

Keep away from food and drink stuffs

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with wetted surfaces of protective gloves

Eye protection : Safety glasses with side protection shield

Body protection : Wear protection clothing

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	: Light Yellow Dispersion
Odor	: —
pH value	: 5~9 (1% Water solution)
Boiling point	: >100℃
Flash point	: >200℃
Specific gravity	: —
Solubility in water	: miscible

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

10.1 Stability	: This compound is stable at ambient conditions.
10.2 Avoid Storage Environment	: Avoids laying outdoor and the solarization for a long time
10.3 Incompatibility with other materials	: Avoid contact with strong oxidizing agents 、 acid
10.4 Decomposition	: —
10.5 Polymerization	: Hazardous polymerization will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	: —
Acute oral toxicity	
Irritant effect on skin	: non-irritant (rabbit)
Irritant effect on eyes	: non-irritant (rabbit eye)

Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity Fish toxicity	: —
Daphnia toxicity	: —
Bacteria toxicity	: —
Chemical oxygen demand(COD)	: —

Section 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods	
Product	: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulation and laws, e. g. by incineration in a suitable.
European Waste Catalogue(EWC) code	: 040215 wastes from finishing other than those mentioned in 040214
Uncleaned packaging	: Soiled 、 empty containers are to be treated in the same way as the contents.

Section 14 - TRANSPORTATION INFORMATION

14.1 Label required	: —
U.N. Number	: —
CNS 6864 Z5071	: Non-hazardous goods

ECC	: —
Road Sea Transport	: Non-hazardous goods
-Europe	: A.D.R/A.D.N.R
-U.K	: P.G.R
Sea Transport	: Non-hazardous goods I.M.O
Air Transport	: Non-hazardous goods IATA C/IATA P

Section 15 - REGULATORY INFORMATION

15.1 Safety , health and environmental regulations / legislation specific for the substance or mixture

This product is approved and given a Food Contact Notification, 000837 by FDA of United States that this product can be used in paper in contact with food.

EEC symbols and indications of danger None

WHMIS hazard symbols None

European/International Regulations

European Labeling in Accordance with EC Directives

US.EPA CERCLA Hazardous Substances (40 CFR 302) : Components

None

SARA Section 311/312 Hazard Categories : Non-Hazardous under Section 311/312

Water Hazard Class(Ger.) : WGK2-impairment of water quality

WGK=Classification in accordance with the German Water Resources Act

OSHA Hazcom Standard Rating : Non-Hazardous

SVHC (Substance of Very High Concern) : Non-Hazardous

15.2 Chemical safety assessment

RISK

Risk Codes — **Risk Phrases** —

SAFETY

Safety Codes **Safety Phrases**

S28 After contact with skin, wash immediately with plenty of water

Section 16 - OTHER INFORMATION

Approved by YIJIN CHEMICAL Co. Ltd.

Approval date 2021/4/15

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Safety data sheet

Zenix Yellow 4G 200%

Revision date : 09.15.2019

Previous revision date : 08.04.2016

First revision date : 01.10.2014



**Zenith Color
Corporation**

【1】 Identification of the substance/preparation and company

Dyestuff Name : Zenix Yellow 4G 200%

Chemical Description : Textile dye

Manufacturer : Zenith Color Corporation

7th floor, 99, Section 2, Chang-An E. Rd., Taipei Taiwan

TEL : 02-2517-7281

FAX : 02-2517-7289

Emergency TEL : 02-2517-7281

【2】 Hazards identification

No hazard classification according to EU Guidelines.

【3】 Composition/information on ingredients

Dyestuff Name : Zenix Yellow 4G 200%							
Composition			CAS No.	Allow percentage		LD 50	LC 50
Name	Chemical Formula	percentage		TAW	CEILING		
None							

【4】 First aid measures

Inhalation

Skin contact : Remove contaminated clothing. Wash affected skin with soap and plenty of water.

Eye contact : Rinse immediately with plenty of water for at least 10 minutes.

Ingestion : Wash out mouth with water. Drink plenty of water.

Advice for the doctor : Symptomatic treatment

Safety data sheet

Zenix Yellow 4G 200%

Revision date : 09.15.2019

Previous revision date : 08.04.2016

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***Zenith Color
Corporation***

【5】 Fire-fighting measures

Fire extinguishing agents : Water spray, foam, powder, carbon dioxide.

Restrictions : No restrictions.

Fire/explosion hazard : None

Main combustion gas : Carbon-, Nitrogen oxides, some hydrochloric acid gas.

Personal protection : Self contained breathing apparatus.

【6】 Accidental release measures

Personal precaution : Avoid formation and deposition of dust.

Environmental precautions : Do not empty into drains or waters.

Methods for cleaning up/taking up : Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

【7】 Handling and storage

Advice on safe handling: Avoid formation and deposition of dust.

Keep container tightly closed and dry.

Advice on protection against fire and explosion : Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulation.

Requirement for storage rooms and vessels : Store in original container in a cool, dry place. Infilling operation take precautionary measures against static discharges.

【8】 Exposure controls/personal protection

Components with occupational : None

Exposure limits

Personal Protection

Safety data sheet

Zenix Yellow 4G 200%

Revision date : 09.15.2019

Previous revision date : 08.04.2016

First revision date : 01.10.2014



**Zenith Color
Corporation**

【9】 Physical and chemical properties

Form :	Powder
Colour	Yellow
Odour	Product specific
Melting point	> 140 °C
Boiling point	> 200 °C

Density :	
Solubility in water	35 g/l (20°C)
pH value	6.0 – 8.0

【10】 Stability and reactivity

Condition to avoid	None
Material to avoid	None
Hazardous decomposition products	None under normal storage conditions

【11】 Toxicological Information

Acute oral toxicity	LD50 approx. >1600 mg/kg (rat)
Irritant effect on skin	Non-irritant (rabbit)
Irritant effect on eyes	Irritant – risk of serious damage to eyes (rabbit eye)

【12】 Ecological information

Biodegradability	50% - 60%
Fish toxicity	LC50 >600 mg/l (96,0 h, Brachydanio rerio)
Daphnia	1 – 10 mg/l (24 h, Daphnia magna)
Bacteria	IC50 10 - 100 mg/l (activated sludge)

Safety data sheet

Zenix Yellow 4G 200%

Revision date : 09.15.2019

Previous revision date : 08.04.2016

First revision date : 01.10.2014



***Zenith Color
Corporation***

【13】 Disposal considerations

Product : Incineration, landfill. Observe local regulations.

Contaminated packaging : Contaminated, empty containers must be disposed of as chemical waste.

【14】 Transport information

UN Number ADR/RID

Correct technical name ADR/RID FREE

UN Number IMO

Correct technical name IMO FREE

UN Number ICAO

Correct technical name ICAO FREE

【15】 Regulatory information

Labelling in accordance with GHS directives :



【16】 Other information

The information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.



Dysolin Blue AC-E

1) Identification of the substance/preparation and company

Dysolin Blue AC-E

Use pattern :
Textile dye

DyTech Taiwan Ltd.,Co.

10F-1, No. 99, Sec. 1, NanKan Rd.
Luzhu Taoyuan 33859 Taiwan
Tel: 886-3-3521077
Fax:886-3-3521087

2) Hazards identification

Classification of the substance or mixture(Regulation EC No 1272/2008)

Physical Hazards: Not classified

Health Hazards: Skin corrosion / irritationCategory 2
Serious eye damage/eye irritationCategory 2

Environmental hazards: Classification Not possible

The hazards not mentioned are not applicable or no data available.

GHS label elements, including precautionary statements :



Hazard Pictogram:

Signal Word : Warning

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements :

Prevention :

P264 Washthoroughly after handling.

P280 Wear protective gloves/ eye protection/face protection.

Response :

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

Other hazards which do not result in classification : No data available.



Dysolin Blue AC-E

3) Composition/information on ingredients

Information on ingredients: Disperse dyestuffs mixture .

	CAS NO.	Name	%
1	12217-79-7	Disperse Blue 56	--
2	81-42-5	Disperse Violet 28	--
3	9084-06-4	Sodium poly[(naphthaleneformaldehyde)sulfonate]	--

4) First aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

5) Fire-fighting measures

Suitable extinguishing media: water mist, foam, dry powder

Extinguishing media that must not be used for safety reasons: CO₂

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6) Accidental release measures

Personal precautions: Avoid formation and deposition of dust.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labeled, sealable containers.

Additional information: For further disposal measures see chapter 13.

7) Handling and storage

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.



Dysolin Blue AC-E

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.
In filling operations take precautionary measures against static discharges.

8) Exposure controls/personal protection

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food and drink stuffs.
Do not eat, drink or smoke at work.
Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection : Dust mask with particle filter.

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection : safety glasses with side protection shield

Body protection : Wear protective clothing.

9) Physical and chemical properties

Appearance :	Blue powder
Odor :	Faint odour
Odor threshold :	Not sure
pH :	5-9
Melting point/freezing point; :	Data not available
Initial boiling point and boiling range :	Data not available
Flash point :	Data not available
Evaporation rate :	Data not available
Flammability (solid, gas) :	Data not available
Upper/lower flammability or explosive limits :	Data not available
Vapour pressure :	Data not available
Vapour density :	Data not available
Relative density :	500-750 kg/m ³
Solubility :	Data not available
Auto-ignition temperature :	>400 °C
Decomposition temperature :	Data not available
Viscosity :	Data not available

10) Stability and reactivity



Dysolin Blue AC-E

Reactivity : No data available.
Chemical stability : Stable under normal temperatures and pressures
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong oxidizing agents, Strong acids, Aluminum, Magnesium.
Hazardous decomposition products : Carbon oxides, Sulphur oxides, Sodium oxides

11) Toxicological information

Acute toxicity :	The rat oral toxicityLD50 >2500 mg/kg
Irritant effect on skin :	Cause skin irritation
Irritant effect on eyes :	Cause serious eye irritation
Respiratory or skin sensitization :	Non-sensitive to the skin(OECD406)
Germ cell mutagenicity :	No data available
Carcinogenicity :	No data available
Reproductive toxicity :	No data available
STOT-single exposure :	No data available
STOT-repeated exposure :	No data available
Aspiration hazard :	No data available

12) Ecological information

Toxicity :	Aquatic toxicity against fish (LC50 / 96h):>100 mg/l Aquatic toxicity against bacteria (IC50 / 3h):>100 mg/l
Persistence and degradability :	No data available
Bioaccumulative potential :	No data available
Mobility in soil :	No data available
Other adverse effects	
BOD5 :	< 50 mg O2/g
COD :	Approx. 1550 mgO2/g

13) Disposal considerations

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.
Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

14) Transport information

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Safety data sheet in accordance with the GHS Directives



Dysolin Blue AC-E

Other information: Keep dry., Keep separated from foodstuffs.

15) Regulatory information

Safety, health and environmental regulations specific for the product in question : No data available

16) Other information

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 1/7

TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

1. Identification of the substance/preparation and company

Taicron Rubine SE-GLNT 200% GRAN PR073183
Use pattern:
Textile dye

Company : T & T INDUSTRIES CORPORATION
Address : 6TH FLR.WAN-I-CHEN BLDG.
124 NANKING E.ROAD, SEC.2,
TAIPEI, TAIWAN, R. O. C.
Emergency phone : (02)2506-4107
(03) 483-1666 [AVAILABLE 24 Hours]

2. Hazards Identification:

Labelling in accordance with the GHS directives:

Warning

Hazard symbols:



Exclamation
Mark

H319: Causes serious eye irritation



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

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TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: wear protective gloves/protective clothing/eye protection/face protection.
P363: Wash contaminated clothing before reuse.
P264: Wash ... thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: If on skin: Wash with soap and water.
P501: Dispose of contents/container to waste treatment in accordance with national regulations.
-

3. Composition/Information On Ingredients :

Azo disperse dyestuff preparation

Hazardous ingredients:

CAS-Number 105859-97-0

H phrases: H319

4. First Aid Measures :

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.



T&T INDUSTRIES CORPORATION

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TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

5. Fire-Fighting Measures :

Suitable extinguishing media: water mist, foam, dry powder
Extinguishing media that must not be used for safety reasons: CO₂

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures:

Personal precautions: Avoid formation and deposition of dust.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labeled, sealable containers.

Additional information: For further disposal measures see chapter 13.

7. Handling and Storage:

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

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TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

Storage class: 11 Combustible solids

Storage stability: Storage period: 60 Months

8. Exposure Controls/Personal Protection:

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter.

Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection: safety glasses with side protection shield.

Body protection: Wear protective clothing.

9. Physical And Chemical Properties :

Form:	Granule
Colour:	Red
Odour:	odourless
Bulk density:	400 – 800 kg/m ³
Solubility in water:	dispersible
pH value:	8.0 – 9.0 (100 g/l) water

10. Stability and Reactivity:

Thermal decomposition: No thermal decomposition when stored and handled correctly.

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 5/7

TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

11. Toxicological Information:

Acute oral toxicity: LD50 > 2,000 mg/kg (rat)

Irritant effect on skin: non-irritant (rabbit)

Irritant effect on eyes: irritant (rabbit eye)

Remarks: Test results of a similarly composed product

12. Ecological Information:

Biodegradability: > 50 % (DOC decrease)
Readily eliminable from water
Method: Batch method
Analysis method: Photometry

Biodegradability: As the product is practically insoluble in water, it is separated in almost any filtration and sedimentation process. If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.

Fish toxicity: LC50 100 – 500 mg/l (96h, Oryzias Latipes)

Bacteria toxicity: > 100 mg/l

Chemical oxygen demand (COD): 1500 mg/g

Biochemical oxygen demand (BOD5): 30 mg/g

Remarks: Test results of an analogous product.

Product does not add to the AOX-value of the sewage. (DIN EN 1485)

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 6/7

TAICRON RUBINE SE-GLNT 200% GRAN
PR073183

The product does not contain phosphates or organophosphorus compounds.

13. Disposal Considerations:

Product: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

14. Transport Information :

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other Information Keep dry, keep separated from foodstuffs.

15. Regulatory Information :

Water Hazard class (Ger): WGK 1-slightly hazardous to water WGK=Classification in accordance with the German Water Resources Act Annex 2 VwVwS (Germany) dated May, 17th 1999.

16. Other Information :

Text of all H phrases referred to in sections 2 and 3:

H319: Causes serious eye irritation.



T&T INDUSTRIES CORPORATION

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TAICRON RUBINE SE-GLNT 200% GRAN

PR073183

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 1/7

TAICRON ORANGE SF-GFT 200% NEW
PO044209

1. Identification of the substance/preparation and company

Taicron Orange SF-GFT 200% New

PO044209

Use pattern:

Textile dye

Company : T & T INDUSTRIES CORPORATION

Address : 6TH FLR.WAN-I-CHEN BLDG.
124 NANKING E.ROAD, SEC.2,
TAIPEI, TAIWAN, R. O. C.

Emergency phone : (02)2506-4107
(03) 483-1666 [AVAILABLE 24 Hours]

2. Hazards Identification:

Labeling in accordance with the GHS directives:

Warning

Hazard symbols:



Exclamation
Mark

Contains: Azo disperse dyestuff preparation

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

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TAICRON ORANGE SF-GFT 200% NEW
PO044209

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: wear protective gloves/protective clothing/eye protection/face protection.
P363: Wash contaminated clothing before reuse.
P264: Wash ... thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: If on skin: Wash with soap and water.
P501: Dispose of contents/container to waste treatment in accordance with national regulations.
-

3. Composition/Information On Ingredients :

Azo disperse dyestuff preparation

Hazardous ingredients:

EC-Number 223-765-4

H phrases: H317

CAS-Number 105859-97-0

H phrases: H319

4. First Aid Measures :

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

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TAICRON ORANGE SF-GFT 200% NEW
PO044209

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

5. Fire-Fighting Measures :

Suitable extinguishing media: water mist, foam, dry powder
Extinguishing media that must not be used for safety reasons: CO₂

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental Release Measures:

Personal precautions: Avoid formation and deposition of dust.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labeled, sealable containers.

Additional information: For further disposal measures see chapter 13.

7. Handling and Storage:

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.

Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 4/7

TAICRON ORANGE SF-GFT 200% NEW
PO044209

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.

Storage class: 11 Combustible solids

Storage stability: Storage period: 60 Months

8. Exposure Controls/Personal Protection:

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter.

Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection: safety glasses with side protection shield.

Body protection: Wear protective clothing.

9. Physical And Chemical Properties :

Form:	Granule
Colour:	Orange
Odour:	odourless
Solubility in water:	dispersible
pH value:	8.0 – 10.0

10. Stability and Reactivity:

Thermal decomposition:	No thermal decomposition when stored and handled correctly.
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T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 5/7

TAICRON ORANGE SF-GFT 200% NEW
PO044209

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

11. Toxicological Information:

Acute oral toxicity: LD50 >2000 mg/kg (rat)

Irritant effect on skin: non-irritant (rabbit)

Irritant effect on eyes: irritant (rabbit eye)

Sensitization: sensitizing
Method: Maximization test.

Remarks: Test results of a similarly composed product

12. Ecological Information:

Biodegradability: 30 - 60%

Fish toxicity: LC50 >100 mg/l (96h, Brachydanio rerio)

Bacteria toxicity: 100 - 1,000 mg/l

Chemical oxygen demand (COD): 1500 mg/g

Biochemical oxygen demand (BOD5): 35 mg/g

Remarks: Test results of an analogous product.

Product does not add to the AOX-value of the sewage. (DIN EN 1485)

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

13. Disposal Considerations:



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 6/7

TAICRON ORANGE SF-GFT 200% NEW
PO044209

Product: If utilization or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

14. Transport Information :

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods
IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other Information Keep dry, keep separated from foodstuffs.

15. Regulatory Information :

Water Hazard Class (Ger): WGK 1-high impairment of water quality
WGK=Classification in accordance with the German
Water Resources Act Annex 2 VwVwS (Germany) dated
May, 17th 1999

16. Other Information :

Text of all H phrases referred to in sections 2 and 3:

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.



T&T INDUSTRIES CORPORATION

Safety Data Sheet in accordance with the GHS Directives

Revised Date: 2021/01/05 Page 7/7

TAICRON ORANGE SF-GFT 200% NEW

PO044209

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.



T&T INDUSTRIES CORPORATION

Safety Data Sheet

Revised Date: 2021/01/18 GHS

Product : TAICRON BLACK EX-SFT 300%

1. Essential Company Data:

Company : T & T INDUSTRIES CORPORATION
Address : 6TH FLR. WAN-I-CHEN BLDG.
124 NANKING E.ROAD, SEC.2,
TAIPEI, TAIWAN, R. O. C.
Emergency phone : (02)2506-4107
(03) 483-1666 [AVAILABLE 24 Hours]

2. Hazard(s) Identification:



3. Product Identification/Information on Ingredients :

Mixture of disperse dyestuff

Components	CAS Number	Einecs Number	Concentration %
Disperse Blue 291:1	51868-46-3	-	24
Disperse Orange 288	96662-24-7	-	16
Disperse Violet 93:1	52697-38-8	-	15
Sodium Lignosulphonate	105859-97-0	-	20
Sodium methylnaphthalene sulfonate formaldehyde condensate	41638-59-9	-	25

4. First Aid Measures

General Advice

If inhaled : Remove to fresh air, if difficulties in breathings, give medical aid.
On Skin contact : Remove contaminated clothing. Wash with soap and water. Consult Physician if irritation continues.
On contact with eyes : Immediately flush with water for at least 15 minutes. Get medical attention.
On ingestion : If person is conscious, give water or milk to dilute stomach contents. Give medical aid.
Other : (See overexposure statement).



T&T INDUSTRIES CORPORATION

Safety Data Sheet

Revised Date: 2021/01/18 GHS

5. Fire Fighting Measures

Flash Point	:	>230°C
Flammable Limits	:	Non Flammable
Extinguishing Media	:	Carbon Dioxide, Water Spray, Foam or Dry Chemical
Special protective equipment:		Use self-contained breathing apparatus and full protective clothing, gloves and mouth muffle
Unusual Hazard	:	Avoid dusting
Further information	:	Depending of burning conditions can release toxic vapors such as Carbon Monoxide, Carbon Dioxide and Nitrogen Oxides (Dust explosion hazard).

6. Accidental Release Measures:

Personal precautions	:	Niosh approved dust respirator/eye protection.
Environmental precautions	:	The product should not be allowed to find its way into inshore waters without pretreatment (biological sewage treatment plant). Avoid dust formation.
Method for cleaning up	:	Contain with dust binding material and dispose.

7. Handling and Storage:

Handling	:	Avoid contact with eyes/skin/inhalation.
Protection against fire and explosion:		Local exhaust recommended.
Storage	:	Keep container closed. For Industrial Use Only.

8. Exposure Controls and Personal Protection:

Components with workplace control parameters.

Personal protective equipment

Respiratory protection	:	Wear a Niosh approved dust respirator.
Hand Protection	:	Wear impervious gloves.
Eye protection	:	Wear side-shield safety glasses.
Body protection	:	Clothing suitable to prevent skin contact.



T&T INDUSTRIES CORPORATION

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General safety & hygiene measures: Wearing appropriate equipment to prevent probability of exposure and personal contact.

9. Physical Data :

Appearance	:	Black Gran	
Odor	:	Odorless	
Solubility in Water(Dispersion in 20g H ₂ O)	:	~0.3 g/l	(70°C)
Boiling point/ boiling range	:	> 250 °C	(DIN)
Melting point/ melting range	:	> 200 °C	(DIN)
Flash Point	:	> 250 °C	(DIN)
Combustibility	:	Not Combustible	
Ignition temperature	:	> 250 °C	(DIN)
Explosion Hazard	:	Not Explosive	
Vapor Pressure /Density	:	1.22 g/cm ³	
Bulk density	:	approx. 600 kg/m ³	
Volatility	:	NO Volatile	
pH value	:	6.0 - 8.0	

10. Stability and Reactivity

Stability	:	Stable
Substances/condition to Avoid	:	None
Incompatibility	:	None Known
Hazardous Decomposition Product	:	Burning will produce oxides of Carbon & Nitrogen.
Hazardous Reaction/Polymerization	:	Will not occur

11. Toxicological Information:

<u>Acute toxicity</u>			
LD50/oral/rat	:	> 2000 mg/kg	OECD Guideline 423
LC50/inhale/rat	:	> 100 mg/l/h	
Primary skin irritation/rabbit/	:	Non irritant	OECD Guideline 404
<u>Primary mucous membrane</u>			
irritation/rabbits' eye	:	Non Irritant	OECD Guideline 405
Sensitizing	:	Non	OECD Guideline 406
Other information	:	Consider non toxic	
<u>Acute Overexposure Effects</u>	:	None known	
<u>Chronic Overexposure Effects</u>	:	None known	

12. Ecological Information :



T&T INDUSTRIES CORPORATION

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Elimination information

Test method: UV Absorption.

Method of analysis: UV Spectrophotometer

Degree of elimination: N/A

Behavior and Environmental Fate : Consider as low biochemical oxygen demand and a low potential to affect some aquatic organisms with a low potential to bioconcentrate. The dischargeability of a worker's direct receiving of this product (in water) is found to be rapid dilutable and uncommon to cause adverse

environmental affects.

Ecotoxic effects

Further ecological information

COD-Value : 1100 mg/g

BOD5-Value : 45 mg/g

AOX : 0 %

13. Disposal Considerations:

Steps to be taken : Wearing appropriate personal protective equipment, contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbants, sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drum, follow disposal instructions. Scrub spill area with detergent, flush with copious amounts of water.

Waste Disposal Method : Disposing in accordance with Federal State and Local regulations.

14. Transportation Information :

UN-no : No classification assigned.

Land transport : No classification assigned.

Inland waterway transport : No classification assigned.

Sea transport : No classification assigned.

Air transport : No classification assigned.

15. Regulatory information

in accordance with GHS directives

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P272: Contaminated work clothing should not be allowed out of the workplace

P280: Wear protective gloves/protective clothing/eye protection/face protection

P363: Wash contaminated clothing before reuse

P501: Dispose of contents/container to waste treatment in accordance with national



T&T INDUSTRIES CORPORATION

Safety Data Sheet

Revised Date: 2021/01/18 GHS

regulations
P302+P352: If on skin: Wash with plenty of soap and water
P333+P313: If skin irritation or a rash occurs: Get medical advice/attention

Water Hazards Class: WGK1 - slight impairment of water quality.

WGK = Classification in accordance with the German Water Resources Act).
As a result it is sufficient to classify crop protection chemicals in the
WGK and label accordingly.

16. Other information

MATERAIL SAFETY DATA SHEET

(M S D S)

Dyestuff

1) Identification of the substance/preparation and company

Use pattern:	CAS NO
DISPERSE BLUE EB	12217-79-7

CHUNG WAN CORP., LTD.
6-4 FL., NO. 63, SEC. 3, HEPING E. RD., TAIPEI 10675, TAIWAN.
Telephone no: 886-2-27325881Telefax no: 886-2-27325971

2) Composition/information on ingredients

Anthraquinone disperse dyestuff preparation

3) Hazards identification

Hazard warning not required.

4) First aid measures

General information; Take off immediately all contaminated clothing.

After inhalation; Upon inhalation of aerosol / vapour /dust; Take the patient into the fresh air ,if there is difficulty in breathing, medical advice is required.

After contact with skin; Cleansing with plenty of water, soap or other non-irritating cleansing agents.
After contact with eyes; Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open eventually a doctor(or eye specialist)should be consulted.

After ingestion: if the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon, if the patient feels unwell, seek medical advice.

5) Fire-fighting measures

Suitable extinguishing media: water mist foam dry powder

Extinguishing media that must not be used for safety reasons: CO2

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6) Accidental release measures

Personal precautions avoid formation and deposition of dust.

Environmental precautions do not empty into drains or waters.

MATERAIL SAFETY DATA SHEET

(M S D S)

Methods for cleaning up/taking up take up spilled product with dust binding material or suitable vacuum cleaner fill into labeled sealable containers.

Additional information for further disposal measures see chapter 13.

7) Handling and storage

Advice on safe handling avoid formation and deposition of dust.

Keep container tightly closed and dry.

Advice on protection against fire and explosion observe the usual precautionary measures required for chemicals with oust-explosive observe national regulations.

Requirements for storage rooms and vessels store in original container in a cool dry place

In filling operations take precautionary measures against static discharges.

Storage class: 11 combustible solids.

Storage stability storage period: 60 Months

8) Exposure controls /personal protection

General protective measures do not breathe dust.

Avoid contact with eyes and skin.

Remove all contaminated clothing immediately.

Hygiene measures keep away from food and drink stuffs.

Do not eat drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection: Dust mask with particle filter

Hand protection: wear suitable gloves e.g. of PVC or nitrile rubber in the event of contamination
change protective gloves immediately

Eye protection: safety glasses with side protection shield

Body protection: wear protective clothing.

9) Physical and chemical properties

Form: grain

Colour : Blue

Odour: odourless

Melting temperature: 300°C

Flash point: not applicable

Bulk density: 400-600kg/m³

Solubility/qualitative: dispersible

PH value: 9.0-10.0(50g/l)

Combustion number: SZ2 short flaring up without spreading

MATERAIL SAFETY DATA SHEET

(M S D S)

10) Stability and reactivity

Thermal decomposition No thermal decomposition when stored and handled correctly.

Hazardous reactions in the case if dusty organic products the possibility of a dust explosion should always be considered.

11) Toxicological information

Acute oral toxicity : LD50>5.000MG/ KG (RAT)

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : non-irritant (rabbit eye)

Remarks : test results of a similarly composed product

12) Ecological information

Biodegradability: 50-100%

Method: Zahn - weliens test

Analysis method : Photometry

Fish toxicity: LC50>100mg/l (96 h, Leuciscus idus)

Bacteria toxicity: ec50>100 mg/l

Test procedure respiratory inhibition of activated sludge organisms
According to D. Brown at al., chemosphere
10(3),245-261(1981),and conforming to OECD guideline 209

Chemical oxygen demand (COD): 1.330mg/g

Remarks : test results of a similarly composed product

Product does not add to the AOX-value of the sewage (DIN EN 1485)

The product does not contain heavy metals in concentrations of concern for waste water.

The product does not release nitrogen which can contribute to eutrophication.

The product does not contain phosphates or organophosphorus compounds.

13) Disposal considerations

Product if utilisation or recycling of the product is not possible it should be disposed of according to the local regulations and laws e.g. by incineration in a suitable plant.

European waste catalogue (EWC) code :040217 Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging : soled empty containers are to be treated in the same way as the contents

14) Transport information

MATERAIL SAFETY DATA SHEET

(M S D S)

ADR	non-hazardous goods
RID	non-hazardous goods
ADNR	non-hazardous goods
IMDG	non-hazardous goods
IATA_C	non-hazardous goods
IATA_P	non-hazardous goods
Other Information	keep separated from foodstuffs

15) Regulatory information

TSCA STATUS-In compliance.

No label ling is required in accordance with the EEC directives

Water hazard Class(Ger): WGK1-silghtly hazardous to water WGK=classification in accordance with the German water Resources Act Annex 2VwVwS (Germany) dated Mal,17th 1999

16) Other information

This information is based on our present state of knowledge it should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Safety Data Sheet

RIITS

Trading Co., Ltd.

Goldenlon Black PBSF 300% BS

In accordance with the GHS Directives

DATE: 2022/3/29

1. Identification of the Product

Identification of the Product
 Use Textile Industry
 Company Identification RIITS TRADING CO., LTD.
 3rd.Floor, 86 Hwai Ning St. Taipei. Taiwan
 Emergency telephone no. Tel: 886-2-2361-2328
 Fax: 886-2-2331-5877

2. Hazards identification

Solid, caused toxic and harmful gas by burning
 Maybe harmful if swallowed
 Irritating to eyes; Irritating to skin
 May cause an allergic skin reaction
 Harmful to aquatic life with long lasting effects
 Acute Toxicity Category 5, Eye Irritation Category 2, Skin Irritation Category 2; Skin Sens Category 1; Chronic Aquatic Hazard Category 3.
 Warning
 H303: May be harmful if swallowed
 H315: Causes skin irritation
 H317: May cause an allergic skin reaction
 H319: Causes serious eye irritation
 H412: Harmful to aquatic life with long lasting effects
 P280: Wear protective gloves/eye protection/face protection
 P272: Contaminated work clothing should not be allowed out of the workplace
 P273: Avoid release to the environment
 P261: Avoid breathe dust/fume/gas/mist/vapors/spray
 P363: Wash contaminated clothing before reuse.
 P302+P352: IF ON SKIN: Wash with plenty of water
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.
 P337/P264+P313: If touched by eye/skin, washed by clean water instantaneously and get medial advice.



3. Composition/information on ingredients

Powder Organic Compound Mixture

<u>d</u>					<u>GHS Hazard</u>
<u>State</u>	<u>Chemical characterization</u>	<u>CAS No.</u>	<u>EC No.</u>	<u>Conc.</u>	<u>Classification</u>
H303	Formaldehyde-naphthalenesulfonic	9084-06-4	618-665-6	45-53%	Acute Toxic
H319	acid polymer sodium salt				Category 5; Eye
H315					Irritation Category
H412					2; Skin Irritation
					Category 2; Chronic
					Aquatic Hazard
					Category 3
H317	N-[2-[(2-bromo-4,6-dinitrophenyl)azo]-5-(diethylamino)phenyl]acetamide	52697-38-8	258-110-1	10-20%	Skin Sens Category. 1

4. Emergency and first aid measures

General advice
 - If Inhaled Remove to fresh air. if not breathing, give artificial respiration.
 - On Skin Contact Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse
 - On Contact with Eyes In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 - On Ingestion Rinse mouth

5. Fire-Fighting Measures

Extinguishing media Water spray, Dry chemical, Carbon dioxide, foam.
 Special exposure hazards High temperature may liberate toxic gases.
 Protection against fire Wear proper protective equipment

RIITS TRADING CO., LTD.

3rd.Floor, 86 Hwai Ning St. Taipei. Taiwan

Emergency Phone :

886-2-2361-2328

Safety Data Sheet

RIITS

Trading Co., Ltd.

Goldenlon Black PBSF 300% BS

In accordance with the GHS Directives

DATE: 2022/3/29

6. Accidental release measures

Personal precautions	Wear suitable protective clothing and gloves.
Environmental precautions	Comply with local regulations for container disposal.
	Notify authorities if product enters sewers or public waters.
After spillage / leakage	Sweep or shovel spills into appropriate container for disposal.

7. Handling and storage

Precautions for safe handling:

Avoid all contact, including inhalation ;

Operators must have certain safety educational training ;

Operators should wear protective glasses 、 anti-static uniform 、 anti-chemical gloves and anti-dust mask ;

Conditions for safe storage, including any incompatibilities :

Adopting paper 、 polythene 、 polypropylene etc. Material for packing and storage

Keep container totally sealed ;

Storage at cool 、 dry 、 ventilative place ;

Avoid to sunshine directly , far away from fire 、 heat.

8. Exposure Controls / Personal Protection

Personal protection	
- Respiratory protection	Approved dust or mist respirator should be used if airborne particulate is generated when handling this material.
- Skin protection	Wear anti-static clothing
- Eye protection	Chemical goggles or safety glasses.
- Ingestion	When using, do not eat, drink or smoke.
Industrial hygiene	Local exhaust is recommended where dusting may occur.

9. Physical and Chemical Properties

<u>Appearance and physical state</u>	Powder solid
Colour	Black
Odour	Slight irritation
Melting point/range [°C]	No data available
Boiling point/range [°C]	No data available
Vapour density (Air=1)	>1
Relative density (Water=1)	<1
Solubility (g/l)	Not Suitable
Viscosity	No data available
pH value	Nearly neutral
Flash point [°C]	No data available
Self ignition temperature	No data available
Explosive properties	Non-explosive

10. Stability and reactivity

Stability	Product is considered as stable
	Hazardous polymerisation will not occur
Hazardous decomposition products:	Carbon Monoxide 、 Sulfur dioxide 、 Nitric oxide 、 Nitrogen Dioxide
Incompatible materials	Strong oxidant
Condition to avoid	Fire and high temperature heat
Dangerous reaction	Combustion will produce toxic and harmful gas.

RIITS TRADING CO., LTD.

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Safety Data Sheet

RIITS

Trading Co., Ltd.

Goldenlon Black PBSF 300% BS

In accordance with the GHS Directives

DATE: 2022/3/29

11. Toxicological information

Acute oral toxicity	LD50 (Rat) >3800mg/kg
Acute toxicity-Intraperitoneal	LD50 (Rat) >460mg/kg
Acute toxicity-Intravenous	LD50 (Rat) >435mg/kg
Irritant effect on skin :	Irritant
Irritant effect on eyes :	Cause serious eye irritation
Respiratory or skin sensitization	May cause an allergic skin reaction.

12. Ecological information

Biodegradability :	BOD5/COD*100%=17.5%
Fish toxicity (short term) :	96 hr LC50 > 10mg/L
Fish toxicity (long term) :	14 days LC50 > 10mg/L
Algae and cyanobacteria toxicity :	LC50 > 10 mg/L
Aquatic toxicity (short term) :	48 hrs EC50 > 5mg/L
Aquatic toxicity (long term) :	LC50 > 10mg/L
Bacteria to toxicity:	IC50 > 10 mg/L
(COD) :	1400mg/g
(BOD5) :	245mg/g

13. Disposal considerations

Waste treatment: Adopting burning method, The gas discharged from the incinerator should be absorbed by the spray tower.

Waste treatment options: Prohibit to disposal the package stucked product and other things optionally;

Don not allow wash water from cleaning or process equipment to enter drains.

14. Transport information

IATA	Not regulated as a dangerous good
IMDG	Not regulated as a dangerous good

15. Regulatory information

	IECSC/TSCA/NZIoC	TCSI	KECI/PICCS/AICS/DSL
Formaldehyde-naphthalenesulfonic acid polymer sodium salt	✓	✗	✓
N-[2-[(2-bromo-4,6-dinitrophenyl)azo]-5-	✓	✓	✓

IECSC: China, TSCA: USA, NZIoC: New Zealand, TCSI: Taipei, KECI: Korea, PICCS: Philippines,

AICS: Australia, DSL: Canada

16. Other information

This information is based on our present state of knowledge.

It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

RIITS TRADING CO., LTD.

3rd.Floor, 86 Hwai Ning St. Taipei. Taiwan

Emergency Phone :

886-2-2361-2328

Neocron Yellow 3GW 200%

Revision Date: 15.01.2021 V1 /D / EN

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1) Identification of the substance/preparation and company

Neocron Yellow 3GW 200%

Use pattern :Textile dyes

J&J Dyestuff Ind. Co., Ltd.

22F-1,NO.266,Sec.1 Wenhua 2nd Rd, Linkou District, New Taipei City 244, Taiwan (R.O.C)

Telephone no. 886-2-26082626

Telefax no. 886-2-26082525

Emergency telephone number: 886-2-26082626

2) Hazards identification

Classification of the substance or mixture(Regulation EC No 1272/2008)

Physical Hazards : Not classified

Health Hazards : Skin corrosion / irritation Category 2
Serious eye damage/eye irritation Category 2

Environmental hazards : Classification Not possible
The hazards not mentioned are not applicable or no data available.

GHS label elements, including precautionary statements :



Hazard Pictogram :

Signal Word : Warning

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements :

Prevention :

P264 Washthoroughly after handling.

P280 Wear protective gloves/ eye protection/face protection.

Response :

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

+P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification :

No data available.

3) Composition/information on ingredients

Chemical nature : Disperse dyestuffs; mixture

Neocron Yellow 3GW 200%

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	CAS	Chemical name	%
1	12223-86-8	4-Bromo-2-methylquinolin-3-ol and Phthalic anhydride condensation.	---
2	9084-06-4	Sodium poly[(naphthaleneformaldehyde)sulfonate]	---

4) First aid measures

Skin Exposure:

In case of skin contact, flush with copious amounts of water.

Remove contaminated clothing and shoes. If irritation persists, Call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amount of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

If irritation persists, Call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing give artificial respiration.

If breathing is difficult, give oxygen. If irritation persists, Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician. Do not induce vomiting.

Most important symptoms/effects, acute and delayed:

No data available.

Indication of immediate medical attention and special treatment needed, if necessary:

No data available.

5) Fire-fighting measures

Suitable extinguishing media:

Suitable: Dry chemical, water spray, Carbon dioxide or appropriate foam.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to Generate Carbon oxides, Sulphur oxides, Sodium oxides.

Special protective actions for fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

6) Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off.

Neocron Yellow 3GW 200%

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Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up with spade and transfer to a dry , clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7) Handling and storage

Precautions for safe handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid formation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium. No smoking at working site. Wash hands and face thoroughly after handling.

Conditions for safe storage, including any incompatibilities :

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.

8) Exposure controls/personal protection

Control parameters :

No data available.

Appropriate engineering controls :

Mechanical exhaust required. Safety shower and eye bath.

Individual protection measures, such as personal protective equipment (PPE) :

Respiratory : wear government approved respirator.

Eye : wear chemical safety glasses.

Hand : wear compatible protective gloves.

Other protect : No smoking, drinking and eating at working site. Wash thoroughly after handling.

9) Physical and chemical properties

Appearance	: Particles, powder
Color	: Yellow
Odor	: Faint odour
Odor threshold	: Not sure
pH	: Data not available
Melting point/freezing point;	: Data not available
Initial boiling point and boiling range	: Data not available
Flash point	: Data not available
Evaporation rate	: Data not available

Neocron Yellow 3GW 200%

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Flammability (solid, gas)	: Data not available
Upper/lower flammability or explosive limits	: Data not available
Vapour pressure	: Data not available
Vapour density	: Data not available
Relative density	: Data not available
Solubility	: Slightly soluble in water
Auto-ignition temperature	: Data not available
Decomposition temperature	: Data not available
Viscosity	: Data not available

10) Stability and reactivity

Reactivity	: No data available.
Chemical stability	: Stable under normal temperatures and pressures
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.
Hazardous decomposition products	: Carbon oxides, Sulphur oxides, Sodium oxides

11) Toxicological information

Acute toxicity	: The rat oral toxicityLD ₅₀ >2000 mg/kg
Skin corrosion/irritation	: Cause skin irritation
Serious eye damage/irritation	: Cause serious eye irritation
Respiratory or skin sensitization	: Non-sensitive to the skin(OECD406)
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

12) Ecological information

Toxicity	: Aquatic toxicity against fish (LC50 / 96h):>100 mg/l Aquatic toxicity against bacteria (IC50 / 3h):>100 mg/l
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available

Neocron Yellow 3GW 200%

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Other adverse effects BOD5 : < 50 mg O₂/g
COD : Approx. 1650 mg/ O₂ g

13) Disposal considerations

Disposal methods : Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14) Transport information

RID/ADR : Non-hazardous for Transport : This substance is considered to be non-hazardous for transport.

IATA : Non-hazardous for Air Transport : Non-hazardous for air transport.

IMO : Non-hazardous for Sea Transport : Non-hazardous for sea transport.

Packing group, if applicable : No data available

Environmental hazards : No data available

Special precautions for user : No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

15) Regulatory information

Safety, health and environmental regulations specific for the product in question : No data available

16) Other information

Other information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

Neocron Yellow 2GW 200%

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1) Identification of the substance/preparation and company

Neocron Yellow 2GW 200%

Use pattern :Textile dyes

J&J Dyestuff Ind. Co., Ltd.

22F-1,NO.266,Sec.1 Wenhua 2nd Rd, Linkou District, New Taipei City 244, Taiwan (R.O.C)

Telephone no. 886-2-26082626

Telefax no. 886-2-26082525

Emergency telephone number: 886-2-26082626

2) Hazards identification

Classification of the substance or mixture(Regulation EC No 1272/2008)

Physical Hazards : Not classified

Health Hazards : Skin corrosion / irritation Category 2
Serious eye damage/eye irritation Category 2

Environmental hazards : Classification Not possible
The hazards not mentioned are not applicable or no data available.

GHS label elements, including precautionary statements :



Hazard Pictogram :

Signal Word : Warning

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements :

Prevention :

P264 Washthoroughly after handling.

P280 Wear protective gloves/ eye protection/face protection.

Response :

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

+P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification :

No data available.

3) Composition/information on ingredients

Chemical nature : Disperse dyestuffs; mixture

Neocron Yellow 2GW 200%

Revision Date: 15.01.2021 V1 /D / EN

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	CAS	Chemical name	%
1	7576-65-0	2-(3-Hydroxyquinolin-2-yl)-1H-indene-1,3(2H)-dione	---
2	9084-06-4	Sodium poly[(naphthaleneformaldehyde)sulfonate]	---

4) First aid measures

Skin Exposure:

In case of skin contact, flush with copious amounts of water.

Remove contaminated clothing and shoes. If irritation persists, Call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amount of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

If irritation persists, Call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing give artificial respiration.

If breathing is difficult, give oxygen. If irritation persists, Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician. Do not induce vomiting.

Most important symptoms/effects, acute and delayed:

No data available.

Indication of immediate medical attention and special treatment needed, if necessary:

No data available.

5) Fire-fighting measures

Suitable extinguishing media:

Suitable: Dry chemical, water spray, Carbon dioxide or appropriate foam.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to generate Carbon oxides, Sulphur oxides, Sodium oxides.

Special protective actions for fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

6) Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off.

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Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up with spade and transfer to a dry , clean, lidded container for disposal.Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7) Handling and storage

Precautions for safe handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid formation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium. No smoking at working site. Wash hands and face thoroughly after handling.

Conditions for safe storage, including any incompatibilities :

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.

8) Exposure controls/personal protection

Control parameters :

No data available.

Appropriate engineering controls :

Mechanical exhaust required. Safety shower and eye bath.

Individual protection measures, such as personal protective equipment (PPE) :

Respiratory : wear government approved respirator.

Eye : wear chemical safety glasses.

Hand : wear compatible protective gloves.

Other protect : No smoking, drinking and eating at working site. Wash thoroughly after handling.

9) Physical and chemical properties

Appearance	: Particles, powder
Color	: Yellow
Odor	: Faint odour
Odor threshold	: Not sure
pH	: 6-10
Melting point/freezing point;	: Data not available
Initial boiling point and boiling range	: Data not available
Flash point	: Data not available
Evaporation rate	: Data not available

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Flammability (solid, gas)	: Data not available
Upper/lower flammability or explosive limits	: Data not available
Vapour pressure	: Data not available
Vapour density	: Data not available
Relative density	: Data not available
Solubility	: Dispersible in water
Auto-ignition temperature	: Data not available
Decomposition temperature	: Data not available
Viscosity	: Data not available

10) Stability and reactivity

Reactivity	: No data available.
Chemical stability	: Stable under normal temperatures and pressures
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.
Hazardous decomposition products	: Carbon oxides, Sulphur oxides, Sodium oxides

11) Toxicological information

Acute toxicity	: No data available
Skin corrosion/irritation	: Cause skin irritation
Serious eye damage/irritation	: Cause serious eye irritation
Respiratory or skin sensitization	: Non-sensitive to the skin(OECD406)
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

12) Ecological information

Toxicity	: Aquatic toxicity against fish (LC50 / 96h): No data available Aquatic toxicity against bacteria (IC50 / 3h): No data available
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available



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Other adverse effects BOD5 : No data available

COD : No data available

13) Disposal considerations

Disposal methods : Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14) Transport information

RID/ADR : Non-hazardous for Transport : This substance is considered to be non-hazardous for transport.

IATA : Non-hazardous for Air Transport : Non-hazardous for air transport.

IMO : Non-hazardous for Sea Transport : Non-hazardous for sea transport.

Packing group, if applicable : No data available

Environmental hazards : No data available

Special precautions for user : No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

15) Regulatory information

Safety, health and environmental regulations specific for the product in question : No data available

16) Other information

Other information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

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1) Identification of the substance/preparation and company

Neocron Red FB 200%

Use pattern :Textile dyes

J&J Dyestuff Ind. Co., Ltd.

22F-1,NO.266,Sec.1 Wenhua 2nd Rd, Linkou District, New Taipei City 244, Taiwan (R.O.C)

Telephone no. 886-2-26082626

Telefax no. 886-2-26082525

Emergency telephone number: 886-2-26082626

2) Hazards identification

Classification of the substance or mixture(Regulation EC No 1272/2008)

Physical Hazards : Not classified

Health Hazards : Skin corrosion / irritation Category 2
Serious eye damage/eye irritation Category 2

Environmental hazards : Classification Not possible
The hazards not mentioned are not applicable or no data available.

GHS label elements, including precautionary statements :



Hazard Pictogram :

Signal Word : Warning

Hazard statements :

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements :

Prevention :

P264 Washthoroughly after handling.

P280 Wear protective gloves/ eye protection/face protection.

Response :

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

+P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification :

No data available.

3) Composition/information on ingredients

Chemical nature : Disperse dyestuffs; mixture

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	CAS	Chemical name	%
1	17418-58-5	1-Amino-2-phenoxy-4-hydroxyanthraquinone	50-70%
2	9084-06-4	Sodium poly[(naphthaleneformaldehyde)sulfonate]	30-50%

4) First aid measures

SkinExposure:

In case of skin contact, flush with copious amounts of water.

Remove contaminated clothing and shoes. If irritation persists, Call a physician.

EyeExposure:

In case of contact with eyes, flush with copious amount of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

If irritation persists, Call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing give artificial respiration.

If breathing is difficult, give oxygen. If irritation persists, Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician. Do not induce vomiting.

Most important symptoms/effects, acute and delayed:

No data available.

Indication of immediate medical attention and special treatment needed, if necessary:

No data available.

5) Fire-fighting measures

Suitable extinguishing media:

Suitable: Dry chemical, water spray, Carbon dioxide or appropriate foam.

Specific hazards arising from the chemical:

Take care as it may decompose upon combustion or in high temperatures to generate Carbon oxides, Sulphur oxides, Sodium oxides.

Special protective actions for fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place.

6) Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak.

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off.

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Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Sweep up with spade and transfer to a dry , clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7) Handling and storage

Precautions for safe handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid formation of dust. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium. No smoking at working site. Wash hands and face thoroughly after handling.

Conditions for safe storage, including any incompatibilities :

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.

8) Exposure controls/personal protection

Control parameters :

No data available.

Appropriate engineering controls :

Mechanical exhaust required. Safety shower and eye bath.

Individual protection measures, such as personal protective equipment (PPE) :

Respiratory : wear government approved respirator.

Eye : wear chemical safety glasses.

Hand : wear compatible protective gloves.

Other protect : No smoking, drinking and eating at working site. Wash thoroughly after handling.

9) Physical and chemical properties

Appearance	: Particles, powder
Color	: Red
Odor	: Faint odour
Odor threshold	: Not sure
pH	: Data not available
Melting point/freezing point;	: Data not available
Initial boiling point and boiling range	: Data not available
Flash point	: Data not available
Evaporation rate	: Data not available

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Flammability (solid, gas)	: Data not available
Upper/lower flammability or explosive limits	: Data not available
Vapour pressure	: Data not available
Vapour density	: Data not available
Relative density	: Data not available
Solubility	: Slightly soluble in water
Auto-ignition temperature	: Data not available
Decomposition temperature	: Data not available
Viscosity	: Data not available

10) Stability and reactivity

Reactivity	: No data available.
Chemical stability	: Stable under normal temperatures and pressures
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents, Strong acids, Aluminum, Magnesium.
Hazardous decomposition products	: Carbon oxides, Sulphur oxides, Sodium oxides

11) Toxicological information

Acute toxicity	: The rat oral toxicityLD ₅₀ >2000 mg/kg
Skin corrosion/irritation	: Cause skin irritation
Serious eye damage/irritation	: Cause serious eye irritation
Respiratory or skin sensitization	: Non-sensitive to the skin(OECD406)
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available

12) Ecological information

Toxicity	: Aquatic toxicity against fish (LC50 / 96h):>100 mg/l Aquatic toxicity against bacteria (IC50 / 3h):>100 mg/l
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available



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Other adverse effects BOD5 : <50 mg O₂/g
COD : Approx. 1700 mg/ O₂ g

13) Disposal considerations

Disposal methods : Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14) Transport information

RID/ADR : Non-hazardous for Transport : This substance is considered to be non-hazardous for transport.

IATA : Non-hazardous for Air Transport : Non-hazardous for air transport.

IMO : Non-hazardous for Sea Transport : Non-hazardous for sea transport.

Packing group, if applicable : No data available

Environmental hazards : No data available

Special precautions for user : No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

15) Regulatory information

Safety, health and environmental regulations specific for the product in question : No data available

16) Other information

Other information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.

SAFETY DATA SHEET

In accordance with regulation GB/T16483-2008, GB/T17519-2013

SDS NO.: BA/SDS-056

Revision date: 12.8.2019

Generated on: 10.8.2019

SECTION 1: Identification of the substance and of the company:

Product name : Balicron NAVY BLUE EX-NSF 300% NEW

Use of the substance: Textile dye

Supplier/Manufacturer : Dyechem Alliance (T).CO.,LTD

Address: 6th FL.,165NANKING E. ROAD,SEC 2 ,TAIPEI ,TAIWAN 10485

Tel: +886-225072257

Section 2. Hazards identification

Classification of the Substance or Mixture: According to regulation (EC) 1272/2008 on classification.

Physical hazard: not classified;

Healthy hazards: Acute toxin category III, H302 harmful if swallowed;

Skin Sens. 1B, H317 May cause an allergic skin reaction.;

Eye irritation category II, H319 causes serious eye irritation;

Labeling:



Signal word: Warning

Precautionary statements: P264 wash thoroughly after handling;

P280 wear protective gloves/protective clothing/eye protection/face protection;

P273 avoid release to the environment;

P302+P352 if on skin: wash with plenty of soap and water;

P363 wash contaminated clothing before reuse;

P305+P351+P338 If in eyes: rinse cautiously with water for several minutes.

Name	Cas No.	Composition(%)
Disperse Orange	96662-24-7	10-20
Disperse Violet	122463-28-9	10-20
Disperse Blue	85508-41-4	10-20
Dispersant MF	9084-06-4	40-50
Water	7732-18-5	10

Remove contact lenses, if present and easy to do. Continue rinsing

section 3. Composition/information on ingredients

Substance: Mixture

Section 4. First-aid measures

Description of first aid measures

First-aid measures after ingestion: Rinse mouth with water, if you feel unwell, immediately to hospital;

First-aid measures after inhalation: Remove the victim into fresh air, consult a doctor/medical service if not feel well;

First-aid measures after eye contact: Rinse with water. Take victim to an ophthalmologist if irritation persists;

First-aid measures after skin/hair contact: Rinse with water. Sorp may be used. Take victim to a doctor if irritation persists.

Section 5. Fire-fighting measures

Extinguishing media Suitable: Water spray, foam, dry powder, CO2.

Specific hazards arising from the chemical: CO, CO2 or sulfur oxides, nitrogen oxides may be released under high temperature/burning;

Advice for firefighters Firemen have to wear gas mask and full-body fire-fighting suits. Put out fire at the upper wind.

Other cautions: Collect and treat fire fighting water in time to prevent from environment pollution.

Section 6. Accidental release measures

Personal precautions protective equipment and emergency procedures: Evacuate crowds to the safe area, use personal protective equipment, ensure good ventilation, be clear of all fire sources. Avoid skin/eyes

contact/inhalation of dust/gas/steam.

Methods and materials for containment and cleaning up: A small amount of leakage is to be wiped with wet mop and mop-washing water is to be treated by sewage treatment facilities. In case of large amount of leakage, sweep the materials gently, and collect them in a dry and clean vessel with lid, wipe the place with wet mop.

Environmental precautions: Do not empty into drains or rinse with a large amount of water.

Section 7. Handling and storage

Precautions for safe handling: Operation staff have to take suitable training and comply with operating instructions strictly. Handling is to be carried out at an area well ventilated, far away from ignition sources or heat sources. Wearing suitable protective devices, and avoid eyes/skin/clothing contact of the material, avoid inhalation of dust and gas. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage, including any incompatibilities: Store in a cool, well-ventilated and dry area. Isolate the material from ground with gaskets, and protect it from rain and humidity. Keep the material away from oxidizing agents, strong acid and food chemicals.

Fire-fighting equipment, leakage emergency treatment equipment and appropriate containment are required in the storage area.

Section 8. Exposure controls/personal protection

Exposure limit: No data available.

Engineering controls: Strengthen ventilation and use local exhaust ventilation if necessary. The working area shall be equipped with eye washers and safety showers.

Individual protection measures:

Respiratory protection: Wear dust mask. Wear filtration mask if high concentration substance in air.

Eye protection: Wear protective glasses with a side shield.

Skin/body protection: Wear full body work cloths.

Hand protection: Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Section 9. Physical and chemical properties

Appearance: powder

Color: dark

Odor: No irritating smell

Solubility in water: insoluble

Solubility: 121mg/100 standard fat

Melting point 194°C

Boiling point >350°C

Evaporation rate: not determined

Flammability : combustible, not easy to ignite

pH value : approx. 5.0 – 8.5 (10% water solution)

Flammability limit in air: not determined

Vapor pressure : not determined

Vapor density : not applicable

Density: 1.3947g/cm³

Stacking density: 600-750kg/m³

Specific gravity: Not determined

Partition coefficient: not determined

Ignition temperature: >400°C

Decomposition temperature : not determined

Section 10. Stability and reactivity

Chemical stability: OECD111 (Hydrolysis of chemicals as a function of structure and pH)

FAT 36152/C water solubility of the tested substance is too low to be considered as hydrolysis as a function of pH, the tested substance is identified as not biodegradable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur. Under strong oxidant chemical reaction will occur.

Hazardous decomposition products: Oxynitride.

Section 11. Toxicological information

Acute toxicity: LD50 oral rat >2000mg/kg

Skin irritation/corrosion: No effects or critical hazards.

Eye irritation/corrosion: According to OECD437, serious eye injury will be caused, not irritating.

Skin sensitization: Skin Sens. 1B

Repeated dose toxicity: inhalation: no specific data.

Inherent toxicity, bacterial gene mutation in vitro(OECD471): no mutation.

Inherent toxicity, DNA damage and repair (OECD486) : FAT 36152/M the induction of unplanned DNA synthesis in primary cultures is negative.

Repeated dose toxicity and reproductive/developmental toxicity: (OECD422) No mating performance has been observed. Fertility and No Observed Adverse Effect Level(NOAE) is 500mg/kg/day.

Section 12. Ecological information

Fish toxicity (OECD 203) : LC50 >500mg/k(96h, zebra fish)

Water flea toxicity (OECD202): EC50 >8mg/L(48h)

Algae toxicity(OECD201) : Eu C50(0-96h) >4mg/L

Bacteria toxicity (OECD 209): IC50(3h) FAT 36152/F> 320 mg/l

Duckweed grot inhibition (OECD 211) : No toxicity at saturation(duckweed)

Chemical Oxygen demand(FAT 36152/A): 1550mg/g O₂

Biochemical oxygen demand(FAT 36152/A): BOD: 27.5mg/g O₂

Bioamplification and bioaccumulation:..No specific data

Mobility in soil: No specific data

Section 13. Disposal considerations

Disposal methods of waste chemicals: The generation of waste should be avoided or minimized wherever possible. This product is to be disposed by burning method via licensed hazardous solid waste contractors.

Disposal of contaminated packaging: To be disposed by burning method via licensed hazardous solid waste contractors.

Notifications: Disposal of this product should comply with regional local authority requirements and regulations.

Section 14. Transport information

RID /ADR: Non dangerous goods

IATA: Non dangerous goods

IMDG Non dangerous goods

UN NO.: Not applicable

UN proper shipping name: Not applicable.

Packaging classification: Not applicable

Environmental hazards UNNR: Not applicable

[Special precautions for user:](#) Keep away from rain and wetness during transportation, avoid mix transportation with strong oxidant and foodstuffs.

Section 15. Regulatory information

The following laws, regulations, rules and standards for the management of chemicals made the appropriate provisions:

China Regulations on the Safety Management of Hazardous Chemicals (Order of the State Council No. 591)

[China List of dangerous chemicals \(2015\):](#) None of the components are listed

[China List of existing chemicals \(2013\):](#) None of the components are listed

[China List of toxic chemicals strictly restricted from import and export:](#) None of the components are listed

China List of dangerous goods names GB 12268-2012: None of the components are listed

Section 16. Other information

The information and recommendations in this publication are to the best of our knowledge and information at the date of publication, and for the mentioned product only, unless specifically stated, the information shall not apply in the case of mixtures of this product with other substances. The information is provided product safety to those properly trained users. Users are responsible to judge independently the applicability of this information under particular purpose of use. The product may present hazards and should be used with caution. While certain hazards are described in this information, no guarantee is made that these are the only hazards that exist.

Safety Data Sheet

1. Identification

Product Name: BALICRON SCARLET GS 200%	
Other Names: Disperse Red dye	
Recommended use and restrictions on use: dye for Textile	
Names, addresses, and phone numbers of the manufacturer or supplier:	Dyechem Alliance (T).CO.,LTD 6th FL.,165NANKING E. ROAD,SEC 2 ,TAIPEI ,TAIWAN 10485
Emergency contact phone numbers/fax numbers:	Tel: +886-225072257

2. Hazard(s) identification

Product hazard class: Acute toxicity inhalation category 4 :Warning harmful if inhaled	
Label content:	
Other hazards: None known	

3. Composition/information on ingredients

Pure material:

English name: Anthraquinone
Synonyms: CI:Disperse Red 153
Chemical Abstract Service No. (CAS No.):78564-87-1
The hazardous ingredient (% of the content): None known

Mixtures:

Chemical properties: --	
Chinese and English names of the hazardous ingredients	Concentration or concentration ranges (ingredient percentage)
--	
--	

4. First-aid measures

The first aid measures for different exposure routes: inhalation: Remove subject to fresh air. If breathing becomes difficult, give oxygen, and seek medical attention. skin contact: wash thoroughly with soap and water, if skin irritation occurs, seek medical attention eye contact: Flush immediately with running water for 15 minutes. If irritation occurs, seek medical attention. ingestion: If swallowed, drink a lot of water immediately, if possible with the addition of activated carbon, and induce vomiting. Seek immediate medical attention.
The most important symptoms and hazardous effects: --
The protection of first-aiders: --
Notes to physicians: --

5. Fire-fighting measures

Suitable fire extinguishing media: Water mist, dry chemical, carbon dioxide, foam
Specific hazards may be encountered during fire-fighting: --
Specific fire-fighting methods:--
Special equipment for the protection of firefighters: Use self-containing apparatus and protective clothing

6. Accidental release measures

Personal precautions: Environmental precautions: Methods for cleaning up:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment
---	--

7. Handling and storage

Handling: Ventilate warehouse and work place sufficiently
Storage: Keep container tightly closed and store indoor at room. Do not allow product temperature to exceed 50°C. Keep product away from any kind of ignition source.

8. Exposure controls/personal protection

Engineering control:			
Control parameters:			
8 hours time weighted average exposure limits TWA	Short-term exposure limits STEL	maximum exposure limits CEILING	biological standards BEIs
Personal protective equipment:			
Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.			
Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.			
Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.			
Skin and body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.			
Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.			
Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.			

9. Physical and chemical properties:

Appearance (physical state, color, etc.):Red Powder	Odor: n.a
Odor threshold: --	Melting point: > 200°C
pH value: 7.5~8 at 10g/l water	Boiling point/boiling point range: n.a
Flammability (solid, gas) : not applicable	Flash point: °F °C : not applicable
Decomposition temperature: --	Test method: Open cup Closed cup
Auto-ignition temperature: not applicable	Explosion limits:
Vapor pressure: --	Vapor density:
Density: 500~670 kg/m ³	Solubility:Disperse water
Partition coefficient(n-octanol/water,log Kow):	Evaporation rate

10. Stability and reactivity

Stability: The product is stable.
Possible hazardous reactions under specific conditions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: No specific data.
Materials to avoid: No specific data.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Routes of exposure: Inhalation : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Ingestion : May cause burns to mouth, throat and stomach. Skin contact : May cause an allergic skin reaction. Eye contact : Causes serious eye damage.
Symptoms:
Acute toxicity: LD ₅₀ /oral/rat: > 5000 mg/kg*
Chronic toxicity or long term toxicity:

12. Ecological information:

Ecotoxicity: n.a
Persistence and degradability: n.a
Bioaccumulative potential: n.a
Mobility in soil: n.a
Other adverse effects: n.a

13. Disposal considerations

Methods of waste disposal: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

United Nations number(UN No): --
UN Proper shipping name: --
Transport hazard class(es): --
Packing group: --
Marine pollutant(Yes/No): --
Specific transport measures and precautionary conditions: --

15. Regulatory information

Applicable regulations:

16. Other information

Literature references		
Organization that prepared the MSDS	Name/Address/telephone number: PT. Colorindo Aneka Chemicals: Jl. Raya Citeras Rangkasbitung Km. 1.8 Serang 42186, Indonesia Tel:(62-254)402-288 Fax:(62-254)401267	
Person who prepared the SDS	Title:--	Name (signature):dennis yao
Date that the SDS was prepared:	14. DEC .2016 copy	