



Kraftkolour
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Safety Data Sheet

DISPERSE MAGENTA RED

1. Identification of the Chemical / Mixture and the supplier

Product Name: DISPERSE MAGENTA RED
Other Names: Disperse Red 2B, Disperse Red 60
Recommended Use: Textile dye for Polyester & Nylon
Supplier: Craft Explosion P/L t/a Kraftkolour
Factory 2, 99 Heyington Ave
THOMASTOWN Vic 3074
Telephone: +61 (0)3 9465 4865
Facsimile: (M- F, 8am – 5pm)
+61 (0)3 9465 4865 or POISON INFORMATION CENTRE 13 11 26

2. Hazards Identification

HAZARDOUS CHEMICAL / NON-DANGEROUS GOODS
according to criteria of Safe Work Australia / ADG Code
and according to criteria of HSNO / LTR - DG 2005 (N.Z.).

GHS

GHS Classification

Skin irritation (Category 2)
Eye irritation (Category 2A)

Pictogram:



Signal word: Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

- **Other Hazards which do not result in Classification:**
No other data available.

3. Composition/Information on ingredients

Chemical Characterisation: anthraquinone disperse dyestuff preparation

Chemical Identity of Hazardous Ingredients	CAS No.	Proportion
• Disperse Red 60 - 1-amino-4-hydroxy-2-phenoxyanthracene-9,10-dione	17418-58-5	50-60%

Proportion (% weight per weight): VHIGH >60, HIGH 30–60, MED 10–<30, LOW 1–9, VLOW <1

4. First Aid Measures

DESCRIPTION OF NECESSARY MEASURES ACCORDING TO ROUTES OF EXPOSURE

Scheduled Poisons: Poison Information Centres in each country (or state capitol city) can provide additional assistance.
Phone: AUSTRALIA 13 11 26

- Swallowed:** Rinse mouth immediately and then drink plenty of water.
Seek medical attention if you feel unwell.
- Eye Contact:** Contamination of the eyes must be treated by thorough irrigation with water for at least 15 minutes, with the eyelids held open. Seek medical attention if irritation or symptoms persist.
- Skin Contact:** Remove all contaminated clothing immediately (launder before re-use). Thoroughly wash contaminated skin with plenty of water and soap, or other non-irritating cleansing agents.
- Inhalation:** Upon inhalation of dust, take the patient into the fresh air. If there is difficulty in breathing, medical advice is required.

Advice to Doctor: Treat symptomatically.

5. Fire-fighting Measures

Suitable

Extinguishing Media: Water spray, Foam, Powder. For safety reasons, do not use CO₂.

Specific Hazards: If burning, may produce oxides of nitrogen and carbon monoxide. **Hazchem Code:** None allocated.

Flammability: Combustible solids. Has dust-explosive properties.

Fire-fighting advice: Fire-fighters should wear protective boots, overalls, gloves and goggles.
Fire-fighters are advised to wear self-contained breathing apparatus.
Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Persons responding to accidental spills or release of this product are advised to wear personal protective equipment as given in Section 8 of this SDS.

- Spills:** Risk of dust explosion. Eliminate all sources of ignition. Do not breathe dust.
Do not allow product to enter drains, sewers or waterways. Avoid formation and deposition of dust.
Take up spilled product with dust-binding material or suitable vacuum cleaner. Wash away remaining traces with water.

Disposal: Collected product should be placed in suitable sealed, labelled containers for disposal in accordance with instructions in section 13.

7. Handling and Storage

Industrial Hygiene: Wash hands after use and before eating, drinking, smoking or using toilet.
Remove contaminated clothing & protective equipment before entering eating areas.

Precautions for Safe Handling: Observe the usual precautionary measures required for chemicals with dust-explosive properties.
Avoid formation and deposition of dust. Do not breathe dust.
Wear personal protective equipment as given in Section 8 of this SDS.
In filling operations take precautionary measures against static discharges.

Conditions for

Safe Storage: Keep containers tightly closed. Store in a cool, dry place, out of direct sunlight.

8. Exposure Controls / Personal Protection

Do not breathe dust. Avoid contact with eyes and skin.

Occupational Exposure Limits for this specific chemical

- EXPOSURE STANDARDS

- Allocated by SWA: No exposure standard allocated.
However, NOHSC:3008 (1995) lists a value of 10mg/m³ for inspirable dust containing no asbestos & <1% crystalline silica.
- Allocated by EPA-NZ (HSNO): No exposure standard allocated.
- Allocated by other organisations: Not known.

- BIOLOGICAL LIMIT VALUES

- Allocated by SWA: No value allocated.
- Allocated by EPA-NZ (HSNO): No exposure standard allocated.
- Allocated by other organisations: Not known.

Occupational Exposure Limits for Ingredients

Ingredient	TWA		STEL		BLV	Notices
	ppm	mg/m ³	ppm	mg/m ³		
No Data Available	X	X	X	X	X	X

X = No data available

TWA – the Time Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL - (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal, eight-hour, working day. According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to nearly all workers.

BLV - Biological Limit Value

‘SK’ notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Controls

Good general ventilation should be sufficient to control airborne exposure.
Provide local exhaust ventilation if general ventilation is insufficient.
Engineering controls, such as provision of local exhaust ventilation or containment, should always be implemented before personal protection equipment is necessary.

Personal Protection

Eye / Face Protection:



Wear safety glasses with side shields or chemical goggles.
Final choice of appropriate eye/face protection will vary according to individual circumstances.
Eye protection devices should conform to AS/NZS 1337 - Eye Protectors for Industrial Applications.

Respiratory Protection:



Dust mask with particle filter.

For guidance on the selection, use and maintenance of Respiratory Protection Devices, refer to AS/NZS 1715 & AS/NZS 1716.

Gloves:



Wear chemical resistant gloves; recommend nitrile rubber gloves.
Check suitability with glove manufacturer. If necessary, test gloves before use.

Clothing:



Wear suitable protective clothing such as overalls closed at neck and wrists.

9. Physical and Chemical Properties

Colour / Form:	Dull deep red powder
Odour:	odourless
pH:	7 - 9 (10g/l).
Melting Point:	Not available.
Freezing Point:	Not applicable
Initial Boiling Point / Boiling Range:	Not applicable
Flash Point:	Not available.
Evaporation Rate:	Not applicable
Flammability:	Not available.
Flammability Limits:	Not applicable.
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Relative Density:	Not available.
Solubility:	dispersible in water.
Partition Co-efficient:	n-octanol / water; Not available.
Auto-Ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not applicable

10. Stability and Reactivity

Reactivity:	Will not react or polymerise if stored and handled according to instructions. As with all dusty organic chemicals, the possibility of a dust explosion should be considered.
Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	None known.
Incompatible Materials:	Avoid contact with reducing agents and alkaline solutions (will degrade the product).
Hazardous Decomposition Products:	No hazardous decomposition products if stored & handled as instructed.

11. Toxicological Information

(PRODUCT = Chemical identified in Section 1)

• ACUTE TOXICITY –

Product : ○ ORAL LD50 (rat) > 3,000 mg/kg.
○ DERMAL LD50 (rat) > 2,000 mg/kg.
○ INHALATION (8 hours, rat) Method : Inhalation risk test @ 20°C.
No mortality after exposure to an enriched saturated atmosphere.

• SKIN CORROSION / IRRITATION –

Product : H315 Causes skin irritation Method: OECD 404

• SERIOUS EYE DAMAGE / IRRITATION –

Product : H319 Causes serious eye irritation. Method: OECD 405

• RESPIRATORY OR SKIN SENSITISATION –

Product : non-sensitizing (Guinea pig) Method: Maximisation Test

• GERM CELL MUTAGENICITY –

Product : No data available.

Ingredients: No data available.

• CARCINOGENICITY –

Product : No data available.

Ingredients: No data available.

• REPRODUCTIVE TOXICITY –

Product : No data available.

Ingredients: No data available.

• STOT; SINGLE EXPOSURE –

Product : No data available.

Ingredients: No data available.

• STOT; REPEATED EXPOSURE –

Product : No data available.

Ingredients: No data available.

• ASPIRATION HAZARD –

Product : No data available.

Ingredients: No data available.

• OTHER DATA - Statements on toxicology are based on the toxicological properties of the components of the product.

HEALTH EFFECTS - ACUTE

Swallowed: May cause irritation to gastro-intestinal tract resulting in nausea and vomiting.

Eye Contact: Mild Irritant. May cause temporary redness / mild irritation.

Skin Contact: Mild Irritant. May cause temporary redness / mild irritation.

Inhalation: High dust concentration may result in irritation of the mucous membranes (eyes or respiratory tract).

HEALTH EFFECTS - CHRONIC:

No data available.

12. Ecological Information

Ecotoxicity: Fish Toxicity : LC50 > 10 mg/l (96 hours, Oryzias Latipes).
Bacteria Toxicity : IC50 > 10 mg/l (3 hours, OECD 209). Daphnia
Toxicity: EC50 (48 hours, OECD 202): No information

Persistence / Degradability: Biodegradability : 70 % Method : Batch method Analysis method:, Photometry

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.

Bioaccumulative

Potential: No data available.

Mobility: No data available.

Other Data: The 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.
Data on ecotoxicology are based on the toxicological properties of the product components.

13. Disposal Considerations

If utilisation or recycling of product is not possible, it should be disposed of in accordance with local regulations, at an authorised incineration plant or special waste disposal site.

Contaminated packaging should be emptied as much as possible & may be re-used after appropriate cleaning.
Packaging that cannot be cleaned should be disposed of as for product.

14. Transport Information

- **Road & Rail : ADG / LTR-DG** - Not classified as Dangerous Goods.

Proper Shipping Name: **N/A**

DG Class:	Subsidiary Risk:	PG:	UN Number:	IERG:	Hazchem:
N/A	N/A	N/A	N/A	N/A	N/A

Segregation of Dangerous Goods: **N/A**

- **Marine Transport : IMDG** - Not classified as Dangerous Goods.

Proper Shipping Name: **N/A**

DG Class:	Subsidiary Risk:	PG:	UN Number:	IERG:	Marine Pollutant:
N/A	N/A	N/A	N/A	N/A	NO

- **Air Transport : IATA-DGR** - Not classified as Dangerous Goods.

Proper Shipping Name: **N/A**

DG Class:	Subsidiary Risk:	PG:	UN Number:	IERG:
N/A	N/A	N/A	N/A	N/A

15. Regulatory Information

- All the constituents of this chemical are listed on the Australian Inventory of Chemical Substances (AICS).
- Poisons Schedule (SUSDP): Not a scheduled poison.
- All the constituents of this chemical are listed on the New Zealand Inventory of Chemicals (NZIoC).
- Water Hazard Class (Germany) : WGK 1 - slightly hazardous to water.
WGK = Classification in accordance with the German Water Resources Act Annex 2 VwVwS 17/05/1999.

16. Other Information

Prepared in accordance with:

- Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice [SWA: December 2011].
- Hazardous Substances and New Organisms Act 1996 (N.Z.).

Date of Preparation:

Date of Revision: 14/02/2023

Reason(s) for Issue: 5-year SDS Review

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Literary References / Data Sources:

Supplier SDS - Kyung In Synthetic Corporation - Korea).

Similar Product SDS - DyStar Colours Distribution GmbH (Germany).

Legend to Abbreviations and Acronyms:

(Additional descriptions may be given at the end of the list.)

<	less than
>	greater than
°C	degrees Celsius
ADG	(ADG Code) Australian Code for the Transport of Dangerous Goods by Road and Rail.
AICS	Australian Inventory of Chemical Substances
AOX	Adsorbable Organic Halides
approx.	approximately
AS	Australian Standard
Aus. / Aust.	Australia
BLV	Biological Limit Value
BOD	Biological Oxygen Demand
CAS Number	Chemical Abstracts Service number; a unique identifier assigned to chemicals by this organisation
CCID	Chemical Classification Information Database (HSNO – NZ)
CLID	Classification and Labelling Inventory Database (ECHA)
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
cPs	centipoise (measure of viscosity)
DG	Dangerous Goods
DOC	Dissolved Organic Carbon
ECHA	European Chemicals Agency
EC ₅₀	Effective Concentration 50%: amount of a chemical in water, which causes a biological effect in 50% of a group of test animals
EC# / EC No	EC# and EC No refer to the unique seven-digit code allocated by the Commission of the European Communities. EINECS and ELINCS are older designations for EC#. Similar in function to, & often cross-referenced to, CAS Number.
EEC	European Economic Community.
ERMA	Environmental Risk Management Authority; New Zealand.
ESIS	European chemical Substance Information System
ETAD	Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers
EU	European Union
g	gram
g/cc	grams per cubic centimetre

g/l grams per litre
GHS Globally Harmonised System

GHS Classification according to Globally Harmonised System
HCIS Hazardous Chemical Information Service – Australia (supercedes HSIS)
HSIS Hazardous Substances Information Service – Australia (superceded by HCIS)
HSE Health and Safety Executive (United Kingdom)
HSNO Hazardous Substances and New Organisms Act; New Zealand.

HSNO Classification according to HSNO
IATA-DGR International Air Transport Association - Dangerous Goods Regulations
ICAO-TI International Civil Aviation Organisation - Technical Instructions on Safe Transport of Dangerous Goods by Air.
IC50 Inhibition Concentration 50%: amount of a chemical in water, which inhibits growth (or other parameter) of 50% of a population of test organisms.
IERG Initial Emergency Response Guide (detailed in SAA/SNZ HB76:1997 Dangerous Goods – Initial Emergency Response Guide).
IMDG International Maritime Dangerous Goods Code.
IUCLID International Uniform Chemical Information Database
kg kilogram
kg/m³ kilograms per cubic metre
LC50 LC stands for "Lethal Concentration". LC50 is the concentration of a chemical in air which causes the death of 50% (1/2) of a group of test animals. The chemical is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD = "Lethal Dose". LD50 is the amount of chemical, given all at once, which causes the death of 50% (1/2) of a group of test animals.
LTR – DG Land Transport Rule – Dangerous Goods (N.Z.)
M - F Monday - Friday
mg milligram
mg/g milligrams per gram
mg/kg milligrams per kilogram
mg/l milligrams per litre
mg/m³ milligrams per cubic metre
ml millilitre
mm millimetre
N/A Not Allocated; Not Available; Not Applicable.
NICNAS National Industrial Chemicals Notification and Assessment Scheme (Australia)
NZ New Zealand
NZIoC New Zealand Inventory of Chemicals
NZS New Zealand Standard
PBT persistent/bioaccumulative/toxic (REACH)
PG Packing Group
ppm parts per million
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (EU)
RID European Agreement concerning the International Carriage of Dangerous Goods by Rail.
R Phrase Risk phrase
SDS Safety Data Sheet
S Phrase Safety phrase
STOT Specific Target Organ Toxicity
SUSDP Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
SWA Safe Work Australia
UN (No.) United Nations (number)
vPvB very persistent/very bioaccumulative (REACH)
w/v Weight by volume
w/w Weight by weight

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Craft Explosion P/L cannot anticipate or control the conditions under which this information may be used. Each user should review the information in the specific context of the intended application. Craft Explosion P/L will not be responsible for damages of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those implied by Commonwealth, State or Territory Legislation.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization, given or implied, to practise any patented invention without a valid license.

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