

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

PROCION MX DYES: TIE DYE KIT

1.2 Other means of identification

Fibre Reactive dyes – COLD type.

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

Identified uses : Textile dye

1.4 Details of the supplier of the safety data sheet

Company : KRAFTKOLOUR Pty. Ltd.
Factory 2, Heyington Ave
THOMASTOWN VIC 3074 AUSTRALIA

Telephone : +61 03 9465 4865 (1300 720 493)

Fax : +61 -

1.5 Emergency telephone number

Emergency Phone :

2. HAZARDS IDENTIFICATION

2.1 GHS Classification

Skin irritation (Category 2) Eye irritation (Category 2) Skin Sensitisation (Category 1)
Specific target organ toxicity - single exposure (Category 3)

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H315

H317

H319

H334

H335

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

Precautionary
statement(s)

P260 P261 P264 P271 P272 P280	Do not breathe dust/fumes/gas/mist/vapours/spray. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.
Response P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim 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.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P321 P333 + P313 P337 + P313 P362	Specific treatment (see supplemental first aid instructions on this label). If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
Disposal P501	Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Fibre Reactive Dyes

Reactive Dyestuff preparation with simple salt diluents and stabilising agents.
Reactive Dye type: Dichlorotriazine dyes and mixtures.

Component	Classification	Concentration
Various Fibre Reactive Dyes of the Dichlorotriazine type and their mixtures. *List of homogeneous dyes & Cas # below	Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; STOT SE 3; H315, H317, H319, H335	various

<u>COLOUR</u>	<u>CAS No.</u>	<u>COLOUR INDEX No.</u>
YELLOW MX8G	61951-86-8	YELLOW 86
RED MX8B	12226-08-3	RED 11
TURQUOISE MXG	71872-74-7	BLUE 140

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Occupational Exposure Limits

We are not aware of any national exposure limit.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

- | | |
|---------------------------------|---|
| a) Appearance | Form: Solid, Various Colours – Powder or Granular |
| b) Odour | no data available |
| c) Odour Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | no data available |

9.2 Other safety information no data available

10. STABILITY AND REACTIVITY**10.1 Reactivity**

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute oral toxicity: LD50 > 2000 mg/kg (rat)

11.2 Acute inhalation toxicity : not determined

11.3 Acute dermal toxicity : not determined

11.4 Irritant effect on skin : no data available

- | | |
|--------------|--|
| 11.5 | Irritant effect on eyes : no data available |
| 11.6 | Sensitization : In the guinea-pig the product has a sensitising effect (OECD 406) |
| 11.7 | Carcinogenicity : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| 11.8 | Reproductive toxicity no data available |
| 11.9 | Specific target organ toxicity - single exposure : Inhalation - May cause respiratory irritation. |
| 11.10 | Specific target organ toxicity - repeated exposure no data available |
| 11.11 | Aspiration hazard no data available |
| 11.12 | Additional Information RTECS: Not available |

To the best of our knowledge, the chemical, physical, and toxicological properties have NOT been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Fish Toxicity :	LC50 :	> 60mg/l (96hr)
Daphnia toxicity :	EC0	> 80mg/l (48 h, <i>Daphnia magna</i>)
Algae toxicity :	ErC50	> 12mg/l
Bacteria toxicity :	EC50	> 1.000 mg/l

The product has not been tested and the figures above are only approximate and may vary depending on the colour. Figures derived from products containing similar components.

- 12.2 Persistence and Degradability** no data available
- 12.3 Bioaccumulative potential** no data available
- 12.4 Mobility in soil** no data available
- 12.5 Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- Other adverse effects** no data available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods	Product
Incineration	Energy
Landfill	Landfill
Composting	Compost
Biogas production	Biogas
Recycling	Recycled materials
Waste-to-energy	Energy
Waste-to-fuel	Fuel
Waste-to-chemicals	Chemicals
Waste-to-plastics	Plastics
Waste-to-textiles	Textiles
Waste-to-pulp	Pulp
Waste-to-paper	Paper
Waste-to-metal	Metal
Waste-to-glass	Glass
Waste-to-ceramics	Ceramics
Waste-to-bricks	Bricks
Waste-to-concrete	Concrete
Waste-to-aggregates	Aggregates
Waste-to-fertilizers	Fertilizers
Waste-to-soil	Soil
Waste-to-water	Water
Waste-to-air	Air
Waste-to-land	Land
Waste-to-ocean	Ocean
Waste-to-space	Space
Waste-to-energy	Energy
Waste-to-fuel	Fuel
Waste-to-chemicals	Chemicals
Waste-to-plastics	Plastics
Waste-to-textiles	Textiles
Waste-to-pulp	Pulp
Waste-to-paper	Paper
Waste-to-metal	Metal
Waste-to-glass	Glass
Waste-to-ceramics	Ceramics
Waste-to-bricks	Bricks
Waste-to-concrete	Concrete
Waste-to-aggregates	Aggregates
Waste-to-fertilizers	Fertilizers
Waste-to-soil	Soil
Waste-to-water	Water
Waste-to-air	Air
Waste-to-land	Land
Waste-to-ocean	Ocean
Waste-to-space	Space

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

- | | | | |
|--|---------|--|-------------|
| 14.1 UN number | | | |
| ADR/RID: - | IMDG: - | | IATA-DGR: - |
| 14.2 UN proper shipping name | | | |
| ADR/RID: Not dangerous goods. | | | |
| IMDG: Not dangerous goods. | | | |
| IATA-DGR: Not regulated. Not dangerous goods | | | |

15 REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons: no data available

16 OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation

Further information

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. Kraftkolour 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. Kraftkolour 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.

Kraftkolour Pty Ltd. shall not be responsible for any damage or injury resulting from: abnormal use of the chemical; any failure to adhere to recommendations; any hazards inherent in the nature of the chemical. Kraftkolour Pty Ltd expressly disclaims that the SDS is a representation or guarantee of the chemical specifications for the product.

ISSUE DATE: 4th May 2017 KRAFTKOLOUR P/L (03) 9460 6432



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SAFETY DATA SHEET

Soda Ash – Sodium Carbonate

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers 1.1

Product name : Sodium Carbonate

Other means of identification

1.2 Soda Ash. Dense Soda Ash

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

1.3 Identified Uses : Alkaline donor. Used in textile dyeing

Details of the supplier of the safety data sheet

1.4 Company : Kraftkolour Pty. Ltd.
Fact 2, 99 Heyington Ave
THOMASTOWN Vic 3074
AUSTRALIA
Telephone : 03 9460 6432
Fax :

Emergency telephone number

1.5 Emergency Phone # :

2. HAZARDS IDENTIFICATION

2.1 GHS Classification

Eye irritation (Category 2)

2.2 GHS Label elements, including precautionary statements



Pictogram

Signal word

Warning

Hazard statement(s)

H319

Causes serious eye irritation.

Precautionary statement(s)

Prevention

P264

Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

Response 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.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : Soda ash

Formula : CNa_2O_3

Molecular Weight CAS- : 105.99 g/mol

No. : 497-19-8

EC-No. : 207-838-8

Index-No. : 011-005-00-2

Component	Classification	Concentration
Sodium carbonate	Eye Irritant. 2; H319	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed: no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture: Carbon oxides, Sodium oxides

5.3 Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information no data available

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
- 6.2 Environmental precautions:** Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** For disposal see section 13.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic
- 7.3 Specific end use(s)**
A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters Occupational Exposure Limits**
We are not aware of any national exposure limit.
- 8.2 Exposure controls Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124

Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance Form: powder Colour: white
- b) Odour no data available
- c) Odour Threshold no data available
- d) pH : 12 at 106 g/l at 25 °C
- e) Initial boiling point and no data available boiling range
- f) Flash point no data available
- g) Evaporation rate no data available
- h) Flammability (solid, gas) no data available
- i) Upper/lower no data available flammability or explosive limits
- j) Vapour pressure no data available
- k) Vapour density no data available
- l) Relative density 2.532 g/cm³
- m) Water solubility 106 g/l at 20 °C - completely soluble
- n) Partition coefficient: n- no data available octanol/water
- o) Auto-ignition Temp no data available
- p) Decomposition: no data available temperature
- q) Viscosity: no data available
- r) Explosive properties: no data available
- s) Oxidizing properties: no data available

9.2 Other safety information: no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity no data available

10.2 Chemical stability: Hygroscopic - Stable under recommended storage conditions.

- 10.3 Possibility of hazardous reactions** no data available
- 10.4 Conditions to avoid** Exposure to moisture.
- 10.5 Incompatible materials** Strong acids
- 10.6 Hazardous decomposition products**
Other decomposition products - no data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects **Acute toxicity**

LD50 Oral - rat - 4,090 mg/kg
LC50 Inhalation - rat - 2 h - 5,750 mg/l

Skin corrosion/irritation

Skin - rabbit
Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation

Eyes - rabbit
Result: Eye irritation - 24 h
Respiratory or skin sensitisation no data available Germ cell mutagenicity no data available
Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity no data available

Specific target organ toxicity - single exposure no data available
Specific target organ toxicity - repeated exposure no data available
Aspiration hazard no data available

Additional Information RTECS: VZ4050000 burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h other aquatic invertebrates

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects no data available

13. DISPOSAL INFORMATION

13.1 Waste treatment methods **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 UN number**

ADR/RID: -

IMDG: -

IATA-DGR: -

14.2 UN proper shipping name ADR/RID:

Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

14.3 Transport hazard class(s)

ADR/RID: -

IMDG: -

IATA-DGR: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA-DGR: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

14.6 Special precautions for user

no data available

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Standard for the Uniform Scheduling of Medicines and Poisons** Schedule 6**Carcinogen classification under WHS Regulation 2011, Schedule 10** Not listed**Notification status****AICS:** On the inventory, or in compliance with the inventory**DSL:** All components of this product are on the Canadian DSL.**ENCS:** On the inventory, or in compliance with the inventory**IECSC:** On the inventory, or in compliance with the inventory**ISHL:** On the inventory, or in compliance with the inventory**KECI:** On the inventory, or in compliance with the inventory**NZIoC:** On the inventory, or in compliance with the inventory**PICCS:** On the inventory, or in compliance with the inventory**16. OTHER INFORMATION****Full text of H-Statements referred to under sections 2 and 3.**

Eye Irrit.

Eye irritation

H319

Causes serious eye irritation.

Further information

SDS source: Sigma Aldrich Co LLC, Orica

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other substances. We have reviewed any information contained herein, which was received from sources outside KRAFTKOLOUR Pty Ltd. However, no warranty or recommendation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet. 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 licence. KRAFTKOLOUR Pty Ltd. shall not be responsible for any damage or injury resulting from abnormal use of the chemical; any failure to adhere to recommendations; any hazards inherent in the nature of the chemical. KRAFTKOLOUR Pty Ltd. expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the product.

END of SDS

Date of MSDS preparation: Feb 2017



Kraftkolour Pty Ltd
Factory 2, 99 Heyington Ave
THOMASTOWN Vic 3074
Tel: 1300 720 493
Web: Kraftkolour.net.au

Safety Data Sheet

NON-Hazardous Substance, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Dynazol Washoff

Recommended use: Textile dyeing auxiliary.

Supplier: Kraftkolour P/L
ABN: 85 007 291 303
Street Address: Fact.2, 99 Heyington Ave
THOMASTOWN VIC 3074

Telephone: +61 (3) 94654865

Emergency Telephone number: POISONS INFORMATION CENTRE 13 11 26 (Aust)

2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia.

NON-Hazardous Substance, NON-Dangerous Goods

Poison Schedule: Unknown

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road or Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Ingredients determined to be non-hazardous		100 %
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material.

Fire fighting further advice: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by Safe Work Australia.

Biological Limit: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do NOT have a Biological Limit allocated.

National occupational exposure limits: Natural ventilation should be adequate under normal use conditions.

Personal Protection Equipment: SAFETY SHOES, GLOVES, CHEMICAL GOGGLES.

Wear safety shoes, gloves, chemical goggles. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Colour: Light tan to brown.
Odour: None.

Solubility:	Miscible in water
Specific Gravity (20 °C):	Approximately 1.10 - 1.15
Vapour Pressure (20 °C):	N/Av
Flash Point (°C):	Not applicable
Autoignition Temperature (°C):	N/Av
Melting Point/Range (°C):	N/Av
Boiling Point/Range (°C):	Approx100
pH:	8.0-8.5
Viscosity:	N/Av (Pourable)

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant.

Acute toxicity

Inhalation: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L

Skin contact: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or $BCF < 500$ and/or $\log K_{ow} < 4$.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road or Rail and the New Zealand NZS5433: Transport of Dangerous Goods on Land.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

HSNO Group Standard: Not Allocated

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All the constituents of this material are listed on the *Australian Inventory of Chemical Substances* (AICS).

16. OTHER INFORMATION

Reason for issue: Format change

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

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. Kraftkolour 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. Kraftkolour 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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END of SDS