

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 1 of 12



## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>McGregor's Red Spray Dye</b>
Recommended uses:	A temporary red spray indicator for application with herbicide sprays.
Molecular Formula:	Mixture
Supplier:	Amalgamated Hardware Merchants Ltd (AHM)
Street Address:	8 Hautu Drive, Wiri, Manukau, New Zealand
Postal Address:	PO Box 97162, Manukau 2241, New Zealand
Telephone	+64 9 251 1310
Email:	<a href="mailto:info@ahm.co.nz">info@ahm.co.nz</a>
Website:	<a href="http://www.ahm.co.nz">www.ahm.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 2 of 12



## 2. HAZARDS IDENTIFICATION

GHS Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Flam. Liquid 4	Not applicable for the UN RTDG Model Regulations	No pictogram	Warning	H227	P102 P103 P210 P280	P370+P378	P403+P235	P501
Skin Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H315	P102 P103 P264 P280	P302+P352 P321 P332+P313 P362	No storage statements	P501
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P102 P103 P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
STOT Sin. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H371	P103 P260 P264 P270	P309+P311	P405	P501
Aquatic Chronic 3	Not applicable for the UN RTDG Model Regulations	No pictogram	No signal word	H412	P103 P273	No response statement	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Not a DG for transport

Packaging Group:

Not applicable: Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 3 of 12



GHS Codes:

Flam. Liq. 4 (H227)

Skin Irrit. 2 (H315)

Eye Irrit. 2 (H319)

STOT SE 2 (H371)

Aquatic Chronic 3 (H412)

Pictograms:



Hazard Statement:

H227: Combustible liquid.

H315: Causes skin irritation

H319: Causes serious eye irritation.

H371: May cause liver damage via ingestion

H412: Harmful to aquatic life with long-term effects.

Precautionary Statements:

P102: Keep out of reach of children.

P103: Read label before use.

P260: Avoid breathing mist or spray.

P264: Wash exposed skin thoroughly after use.

P270: Do not eat, drink, or smoke while using this product.

P273: Avoid release to the aquatic environment.

P280: Wear a respirator, eye protection, gloves and protective clothing when using.

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

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P321: Wash with soap and 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.

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 4 of 12



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

P309 + P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P362: Remove contaminated clothing and wash before re-use.

P370 + P378: In case of fire, use water / fog for extinction. Keep containers cool.

P403 + P235: Store in a well-ventilated place. Keep container tightly closed

P405: Store locked

P501: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Red coloured liquid

### Ingredients

Ingredients	CAS #	Content %
Rhodamine acetate	64381-99-3	≤16
Methanol	67-56-1	≤4
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

## 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: Rinse mouth. If exposed, seek medical advice or call NZ Poisons Centre on 0800 764 766.

Eye Contact: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical advice if irritation persists.

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 5 of 12



Skin Contact:	If on skin, wash skin with soap and water. Staining of skin should be expected. If skin irritation develops seek medical. Wash any contaminated clothing before re-use
Inhalation:	Unlikely to present an inhalation hazard. If breathing problems develop, move patient to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if feeling unwell.
Advice for Medical Doctors:	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	2Z
Specific Hazards:	See hazardous products of combustion. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Product will produce flammable vapours when exposed to heat or flame. Keep fire exposed containers cool. Appropriate fire extinguishers are Water (preferable fine spray or fog). Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	Carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ).

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Avoid release to the aquatic environment, including stormwater drains and sewers. Prevent leakage or spillage if safe to do so.
----------------------------	---

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 6 of 12



Minor Spills (Up to 20 kg):	Contain spill and absorb using soil or similar. Collect and dispose in sealed container / bag.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways, stormwater drains or sewer. If spill does enter waterway contact local authority.  Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or spray. Do NOT drink.  Wear PPE including coveralls, gloves, respirator, and eye protection.  Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children.  Do NOT expose to sources of ignition or heat. Store in a locked ventilated cabinet or area in tightly closed original container away from direct heat or sunlight.  Store away from foodstuffs, children, and animals.  Minimum shelf life: 2 years.
Protection against fire and explosion:	Product will produce flammable vapours (methanol) when exposed to heat. The product is not explosive under normal conditions. Keep away from oxidizing agents or strong corrosives.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	No exposure standards apply to this product.
---------------------	--

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 7 of 12



Engineering Controls:	Store locked. Keep away from foodstuff, animal feed, children, and pets.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves (natural rubber, nitrile, neoprene, or PVC are all suitable). Wash hands and exposed skin with soap and water after use.
Eye protection:	Wear eye protection or face shield.
Body protection:	Wear chemical resistant overalls in the workplace or long-sleeved top and long-trousers when using. Wash any contaminated clothing before re-use.
Respiratory Protection:	Wear a respiratory suitable for organic vapours.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes, and clothing.
Environmental Exposure Controls:	Minimise release to the environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, straw-coloured liquid
Odour:	Pungent.
Odour Threshold:	No data
pH Value:	7.5 – 10.0
Melting/freezing point:	No data
Boiling point (range):	Approx. 100 °C
Flash Point:	Will not flash
Flammability:	Not flammable
Explosive limits:	No data

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 8 of 12



Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.00 – 1.02
Solubility:	Soluble
Partition coefficient:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Strong acids and oxidising agents.
Corrosive Properties:	This product is not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Classes	Flam. Liq. 4; Skin Irri. 2; Eye Irri. 2; STOT Sin. Exp. 2
Acute Toxicity:	Acute oral LD <sub>50</sub> (calculated) = 532 mg/kg (rat). Acute dermal LD <sub>50</sub> >2,000 mg/kg (rat)
Aspiration hazard	Not an aspiration hazard
Skin corrosion/irritation:	Repeated or prolonged exposure may cause skin corrosion
Serious eye damage/irritation:	May cause serious eye irritation



# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 9 of 12



Respiratory or skin sensitisation:	May to cause skin sensitisation and/or contact dermatitis. May cause respiratory irritation on breathing mist or spray.
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:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Liver
Specific organ toxicity – repeated exposure:	No data available
Narcotic effects:	No data available.

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

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long lasting effects. Do not contaminate waterways, sewers, and drainage. Following ecotoxicity data for pure active. 96h EC <sub>50</sub> (fish) = 0.0322 - 0.064mg/l. 48h EC <sub>50</sub> (daphnia) = 0.0059 mg/l 96h EC <sub>50</sub> (green algae) = 0.085 mg/l
Bioaccumulation potential:	Will not bioaccumulate
Soil Toxicity and degradability:	Rapid – no specific data

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017.
-----------------------------------	--

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 10 of 12



Container Disposal: Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations.  
DO NOT reuse containers. DO NOT burn.

Methods of disposal to avoid Do not empty down stormwater system

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number: Not applicable

UN Dangerous Goods Class: Not a Dangerous Good

Hazchem Code: 2Z

UN Packaging Group: Not applicable

UN Proper Shipping Name: Not applicable

Segregation: All explosives  
Substances and mixtures which, in contact with water, emit flammable gases (Cat 1, 2 or 3)  
Oxidising substances  
Corrosive acids (Metal Corr. 1; Skin Corr. 1A or 1B)

## 15. N.Z. REGULATORY INFORMATION

HSNO approval Number: HSR002657

GHS Classifications: Flam. Liquid 4; Skin Irrit. 2; Eye Irrit. 2; STOT Sin. Exp.2; Aquatic Chronic 3

HSNO Controls: Refer to HSR002657 - Surface Coatings and Colourants Combustible Group Standard 2020

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 11 of 12



## Other Controls

Signage required when  $\geq$  50-litres present on site.

Emergency Response Plan and secondary containment required where  $\geq$  100-litres present on site.

A Hazardous Substance Location certificate is required

Records to be maintained where  $>$  3-litres are applied to a site where there is potential for the substance to enter a waterway.

## 16. OTHER INFORMATION

SDS date of preparation: 17 / 05 / 2022

SDS date of revision: 17 / 05 / 2027

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Amalgamated Hardware Merchants Ltd (AHM) web site, [www.ahm.co.nz](http://www.ahm.co.nz), or contact the supplier of the starting materials.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Amalgamated Hardware Merchants Ltd (AHM) to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Amalgamated Hardware Merchants Ltd (AHM) and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

### Abbreviations:

ADR:	European agreement concerning the international carriage of Dangerous goods by Road
CLP:	Classification Labelling and Packaging
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase

# SAFETY DATA SHEET

Product Name: *McGregor's Red Spray Dye*

Print/View Date: 17/05/2022

Page 12 of 12



HSNO: Hazardous Substances and New Organisms (1996) Act  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Dangerous Goods  
P Phrase: Precautionary Phrase  
RID: Regulations concerning the International carriage of Dangerous good by rail  
STEL: Short-Term Exposure Limit  
TLV: Threshold Limit Value  
TWA: Time Weighted Average