

SAFETY DATA SHEET

8340404 DEEP RED AD
Specification: 000000146867

Version number: 04

Revision date: 28-April-2021



1. Identification

Product identifier 8340404 DEEP RED AD

Other means of identification

SAP Specification 000000146867

Recommended use of the chemical and restrictions on use

Recommended use Colorant

Restrictions on use Not available.

Details of manufacturer or importer

Company Chromaflo Technologies Australia Pty Ltd
30, Commercial Drive
Dandenong, Vic. 3175
Australia

NZ Supplier: Chemiplas NZ Ltd
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Auckland
New Zealand
Ph + 64 9361 4060
24 After Hour Emergency
Ph + 64 9 3614061

General Enquires

Telephone +61 3 9703-8888

Email ehs_apac@chromaflo.com

Website www.chromaflo.com

24 Hour Emergency (3E)

Telephone Numbers

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China +86 4001 2001 74
Asia Pacific +1-760-476-3690

3E CONTRACT # 12154
3E ACCESS CODE 334294

2. Hazard(s) identification

Classification of the hazardous chemical

Physical hazards Not classified.

Health hazards Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

Sensitization, skin

Category 1A

Environmental hazards Not classified.

Label elements, including precautionary statements

Hazard symbol(s)



Exclamation
mark

Signal word Warning

Hazard statement(s) Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Precautionary statement(s)**Prevention**

Avoid breathing mist/vapours. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

Response

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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

Store away from incompatible materials.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification

None known.

Supplemental information

If product is in liquid or paste form, hazards related to dust are not considered significant. But product may contain substances that could be potential hazards if caused to become airborne due to abrasive processes.

3. Composition/information on ingredients**Mixture**

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
C.I. Pigment Red 49:1	1103-38-4	30 - < 40
Kaolin	1332-58-7	1 - < 3
Acrylic acid	79-10-7	< 1
Monoethanolamine	141-43-5	< 1
2-methyl-2H-isothiazol-3-one	2682-20-4	< 0.1
Other components below reportable levels		60 - < 70

4. First-aid measures**Description of necessary first aid measures****Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Personal protection for first-aid responders

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Symptoms caused by exposure

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Medical attention and special treatment

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Hazchem code	None.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls and personal protection

Control parameters Follow standard monitoring procedures.

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value	Form
Acrylic acid (CAS 79-10-7)	TWA	5.9 mg/m ³ 2 ppm	
C.I. Pigment Red 49:1 (CAS 1103-38-4)	TWA	0.5 mg/m ³	
Kaolin (CAS 1332-58-7)	TWA	10 mg/m ³	Inhalable dust.
Monoethanolamine (CAS 141-43-5)	STEL	15 mg/m ³	
	TWA	6 ppm 7.5 mg/m ³ 3 ppm	

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value
C.I. Pigment Red 49:1 (CAS 1103-38-4)	TWA	0.5 mg/m ³

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acrylic acid (CAS 79-10-7)	TWA	2 ppm	
C.I. Pigment Red 49:1 (CAS 1103-38-4)	TWA	0.5 mg/m ³	
Kaolin (CAS 1332-58-7)	TWA	2 mg/m ³	Respirable fraction.
Monoethanolamine (CAS 141-43-5)	STEL	6 ppm	
	TWA	3 ppm	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Acrylic acid (CAS 79-10-7)	STEL	59 mg/m3	
		20 ppm	
	TWA	29 mg/m3	
		10 ppm	
C.I. Pigment Red 49:1 (CAS 1103-38-4)	TWA	0.5 mg/m3	
Kaolin (CAS 1332-58-7)	TWA	2 mg/m3	Respirable dust.
Monoethanolamine (CAS 141-43-5)	STEL	7.6 mg/m3	
		3 ppm	
	TWA	2.5 mg/m3	
		1 ppm	

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
2-methyl-2H-isothiazol-3-one (CAS 2682-20-4)	TWA	0.2 mg/m3	Inhalable fraction.
Acrylic acid (CAS 79-10-7)	TWA	30 mg/m3	
		10 ppm	
C.I. Pigment Red 49:1 (CAS 1103-38-4)	TWA	0.5 mg/m3	Inhalable fraction.
Kaolin (CAS 1332-58-7)	TWA	4 mg/m3	Inhalable dust.
		0.3 mg/m3	Respirable dust.
Monoethanolamine (CAS 141-43-5)	TWA	0.51 mg/m3	Vapour and aerosol.
		0.2 ppm	Vapour and aerosol.

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines**US ACGIH Threshold Limit Values: Skin designation**

Acrylic acid (CAS 79-10-7)

Danger of cutaneous absorption

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties**Appearance**

Physical state Liquid.

Form Liquid.

Colour	Red
Odour	slight
Odour threshold	Not available.
pH	8 - 10 estimated
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 100 °C (> 212 °F) estimated
Flash point	> 100.00 °C (> 212.00 °F) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other physical and chemical parameters	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	1 - 1.3 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on possible routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to exposure	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Acute toxicity		Not known.	
Components	Species	Test Results	
Acrylic acid (CAS 79-10-7)			
<u>Acute</u>			
Inhalation			
LC50	Rat	1200 mg/l, 4 Hours	
Kaolin (CAS 1332-58-7)			
<u>Acute</u>			
Dermal			
LD50	Rat	> 5000 mg/kg	
Oral			
LD50	Rat	> 5000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/irritation	Causes serious eye irritation.		
Respiratory or skin sensitisation			
Respiratory sensitisation	Not a respiratory sensitizer.		
Skin sensitisation	May cause an allergic skin reaction.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity			
ACGIH Carcinogens			
Acrylic acid (CAS 79-10-7)	A4 Not classifiable as a human carcinogen.		
C.I. Pigment Red 49:1 (CAS 1103-38-4)	A4 Not classifiable as a human carcinogen.		
Kaolin (CAS 1332-58-7)	A4 Not classifiable as a human carcinogen.		
IARC Monographs. Overall Evaluation of Carcinogenicity			
Acrylic acid (CAS 79-10-7)	3 Not classifiable as to carcinogenicity to humans.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
12. Ecological information			
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.		
Components	Species	Test Results	
Monoethanolamine (CAS 141-43-5)			
<u>Aquatic</u>			
Acute			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	114 - 196 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential			
Partition coefficient n-octanol / water (log Kow)			
Acrylic acid		0.35	
Monoethanolamine		-1.31	
Mobility in soil	No data available for this product.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

13. Disposal considerations

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

Safety, health and environmental regulations

National regulations This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals.

Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix B

Kaolin (CAS 1332-58-7)

Australia Medicines & Poisons Appendix D

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix E

C.I. Pigment Red 49:1 (CAS 1103-38-4)

Monoethanolamine (CAS 141-43-5)

Australia Medicines & Poisons Appendix F

Monoethanolamine (CAS 141-43-5)

Australia Medicines & Poisons Appendix G

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix H

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix I

C.I. Pigment Red 49:1 (CAS 1103-38-4)

Australia Medicines & Poisons Appendix J

Poisons schedule number not allocated.

Australia Medicines & Poisons Appendix K

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 10

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 2

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 3

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 4

Monoethanolamine (CAS 141-43-5)

HSNO Approval Number: HSR002670

Surface coatings and colorants (Subsidiary Hazards) Group 2020

Classification: As per section 2

Australia Medicines & Poisons Schedule 5

Monoethanolamine (CAS 141-43-5)

Australia Medicines & Poisons Schedule 6

C.I. Pigment Red 49:1 (CAS 1103-38-4)

Monoethanolamine (CAS 141-43-5)

Australia Medicines & Poisons Schedule 7

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 8

Poisons schedule number not allocated.

Australia Medicines & Poisons Schedule 9

Poisons schedule number not allocated.

Australia National Pollutant Inventory (NPI): Threshold quantity

Acrylic acid (CAS 79-10-7)

10 TONNES/YR Threshold Category: 1

High Volume Industrial Chemicals (HVIC)

Acrylic acid (CAS 79-10-7)

1000 - 9999 TONNES See the regulation for additional information.

Monoethanolamine (CAS 141-43-5)

1000 - 9999 TONNES See the regulation for additional information.

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Kaolin (CAS 1332-58-7)

2000 TONNES/YR Threshold Category: 2B

400 TONNES/YR Threshold Category: 2A

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information**Issue date** 07-October-2015Material name: 8340404 DEEP RED AD
17349

SDS AUSTRALIA

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Revision date

28-April-2021

Disclaimer

The information contained herein is based on data believed to be reliable and the manufacturer disclaims any liability incurred from the use or reliance upon the same. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety information is not a licence to use this material as claimed by any patents of third parties. The user alone must finally determine whether a contemplated use of this material will infringe any such patents, and for obtaining any required licenses.

Revision information

Product and Company Identification: Product and Company Identification

Hazard(s) identification: Disposal

Hazard(s) identification: Prevention

Hazard(s) identification: Response

Composition / Information on Ingredients: Disclosure Overrides

Stability and reactivity: Conditions to avoid

Toxicological Information: Toxicological Data

GHS: Classification