

Safety Data Sheet
according to WHS Regulations

Date of issue: 19.11.2025

Version Number: 1.0

Revision Date: 19.11.2025

1 Identification**Other means of identification**Trade name: **Chryso®Darafill®****Relevant identified uses of the substance or mixture, and uses advised against:**

No further relevant information available.

Relevant identified uses of the substance or mixture: Concrete Admixtures**Identified uses advised against:** No further relevant information available.**Details of the supplier of the safety data sheet:****Manufacturer/supplier:**Chryso, Inc.
12770 Merit Drive, Suite 750
Dallas, TX 75251 USAGCP Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 CanadaSupplier:
GCP Australia Pty. Ltd.
14 Colebard Street West
Archerfield, Queensland 4108
AustraliaTel. +61 7-3275-7500
Fax +61 7-3275-7501**Further information obtainable from:** APMSDS@gcpat.com**Emergency telephone number:** After hours - Tel. No. 1800 039 008 (AU) or +61 7-3275-7500**2 Hazard(s) Identification****Classification of the substance or mixture:**

Skin corrosion/irritation – Category 2

H315 Causes skin irritation.

Eye damage/irritation – Category 1

H318 Causes serious eye damage.

Specific target organ toxicity (repeated exposure) –
Category 2H373 May cause damage to the kidneys, the liver and
the blood through prolonged or repeated
exposure. Route of exposure: Oral.**Label elements:****GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).

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Hazard pictograms

GHS05 GHS08

Signal word Danger**Hazard-determining components of labelling:**

Coconut fatty acid diethanolamide (50-<100 %)

Diethanolamine (10-<20 %)

Hazard statements

Causes skin irritation.

Causes serious eye damage.

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

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.

Immediately call a POISON CENTER/doctor.

Get medical advice/attention if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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

Information concerning particular hazards for human and environment:**Safety phrases:****Ingestion:**

Amines contained in this product have been associated with the following effects: lung damage, liver and kidney damage, blood effects, developmental toxicity and teratogenic effects.

Description of Classification: Classified as hazardous according to the criteria of Safe Work Australia.**Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition and Information on Ingredients

Chemical characterization: Mixture:**Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous components:**

68603-42-9	Coconut fatty acid diethanolamide	50-<100%
	Eye damage/irritation – Category 1, H318	
	Skin corrosion/irritation – Category 2, H315	

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111-42-2	Diethanolamine Specific target organ toxicity (repeated exposure) – Category 2, H373 Eye damage/irritation – Category 1, H318 Acute toxicity - oral – Category 4, H302; Skin corrosion/irritation – Category 2, H315; Specific target organ toxicity (single exposure) – Category 3, H335	(Contd. of page 2) 10-<20%
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Additional information:

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication 'List of Designated Hazardous Substances' or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication 'Approved Criteria for Classifying Hazardous Substances'.

4 First Aid Measures

General information: Get medical advice/attention if you feel unwell.

After inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin. If symptoms persist, consult a physician.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Call for a doctor immediately.

Information for doctor:

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire Fighting Measures

Special hazards arising from the substance or mixture:

During heating or in case of fire poisonous gases are produced.

Combustion products can include toxic gases such as carbon monoxide and smoke.

Additional information:

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Use neutralising agent.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

HANDLING

Precautions for safe handling:

Prevent formation of aerosols.

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

Information about fire - and explosion protection: No special measures required.

STORAGE

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Keep respiratory protective device available.

Further information about storage conditions: Keep container tightly sealed.

Specific end use(s): No further relevant information available.

8 Exposure controls and personal protection

Appropriate engineering controls No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

111-42-2 Diethanolamine

WES (Australia)	Long-term value: 13 mg/m ³ , 3 ppm
REL (USA)	Long-term value: 15 mg/m ³ , 3 ppm
TLV (USA)	Long-term value: 1* mg/m ³ , 0.2 ppm
	Skin; *inhalable fraction and vapor, A3

Additional information: Based on the lists valid at the date of SDS creation.

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PERSONAL PROTECTIVE EQUIPMENT

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves:

Nitrile rubber.

Rubber or other impervious gloves should be worn to prevent skin contact.

Eye protection:



Safety glasses with side shield protection.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing and wash before reuse.

9 Physical and Chemical Properties

GENERAL INFORMATION

Appearance:

Form:

Liquid.

Colour:

Yellow to amber

Odour:

Amine-like.

pH-value (~) at 20 °C:

9.25

Change in conditions:-

Melting point/Melting range:

Undetermined.

Initial boiling point and boiling range:

150 °C

Flash point:

>93 °C

Flammability

Not applicable.

Auto-ignition temperature:

662 °C

Ignition temperature:

Not determined.

Explosive properties:

Product does not present an explosion hazard.

Lower:

Not determined.

Upper:

Not determined.

Vapour pressure at 20 °C:

0.1 hPa

Density at 20 °C:

0.99 g/cm³

Bulk density:

1,001 kg/m³

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Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with:-	
Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic:	Not determined.
Kinematic:	Not determined.

Other information:	
Particle characteristics	Not applicable.
Physical state	Liquid

10 Stability and Reactivity

Reactivity:

Stable under normal conditions.
No further relevant information available.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.
No further relevant information available.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological Information

Information on toxicological effects:

ACUTE TOXICITY Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

111-42-2 Diethanolamine

Oral	LD50	710 mg/kg (rat)
Dermal	LD50	8,328 mg/kg (rabbit)

Primary irritant effect

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

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Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to the kidneys, the liver and the blood through prolonged or repeated exposure. Route of exposure: Oral.

Aspiration hazard Based on available data, the classification criteria are not met.

Additional toxicological information:

Amines contained in this product have been associated with the following effects: skin sensitisation, lung damage, liver and kidney damage, blood effects, developmental toxicity and teratogenic effects.

Other information :

The product was classified according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological Information

Toxicity:

AQUATIC TOXICITY No further relevant information available.

Persistence and degradability: No further relevant information available.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION

General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

13 Disposal considerations

Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Refer to State Land Waste Authority for disposal considerations.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

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14 Transport information

UN-Number ADG, IMDG, IATA	Not Regulated
UN proper shipping name ADG, IMDG, IATA	Not Regulated
Transport hazard class(es) ADG, ADN, IMDG, IATA Class	Not Regulated
Packing group ADG, IMDG, IATA	Not Regulated
Environmental hazards:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Regulated

15 Regulatory information

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

Australia: Priority Existing Chemicals

None of the ingredients is listed.

National regulations:

Other regulations, limitations and prohibitive regulations: All ingredients are listed on AICS.

Registered in the international inventory lists: AICS (Australia)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

Relevant phrases:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS:

EHS Department,

Asia Pacific Region

GCP Applied Technologies Operations Center, Inc.,

CTP Asean Tower, Upper Penthouse, Unit 1,

2397 Asean Drive, Spectrum District, Filinvest Alabang, 1781,

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The first date of preparation: 30.06.2025**Number of revision times and the latest revision date:** 1.0 / 19.11.2025

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