



SAFETY DATA SHEET TINSCO MM CI 1975

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TINSCO MM CI 1975

Product number 65815

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

Identified uses Metal surface treatment

1.3. Details of the supplier of the safety data sheet

Supplier Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
SDS.EMEA@univarsolutions.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 65815

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS			5-10%
CAS number: —	EC number: 934-956-3	REACH registration number: 01-2119827000-58-XXXX	
Classification Asp. Tox. 1 - H304			
2-(2-BUTOXYETHOXY)ETHANOL			1-5%
CAS number: 112-34-5	EC number: 203-961-6	REACH registration number: 01-2119475104-44-XXXX	
Acute Toxicity Estimate (oral): 2410 mg/kg 3305 mg/kg Acute Toxicity Estimate (dermal): 2764 mg/kg Acute Toxicity Estimate (inhalation): LC50 > 29 ppm2 hours LC0 0.35mg/l			
Classification Eye Irrit. 2 - H319			
CALCIUM BIS(DI C8-C10, BRANCHED, C9 RICH, ALKYLNAPHTHALENESULPHONATE)			1-5%
CAS number: —	EC number: 939-717-7	REACH registration number: 01-2119980985-16-XXXX	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319			
GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)			<1%
CAS number: 110-25-8	EC number: 203-749-3	REACH registration number: 01-2119488991-20-XXXX	
M factor (Chronic) = 1			
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 1 - H410			

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact	May cause temporary eye irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Flush contaminated area with plenty of water.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 40°C.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

5 mg/m³, TWA, Manuf. data

10 mg/m³, STEL, Manuf. data

2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

WEL = Workplace Exposure Limit.

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

Ingredient comments	WEL = Workplace Exposure Limits
DNEL	Workers - Inhalation; Long term systemic effects: 67.5 mg/m³ Workers - Dermal; Long term systemic effects: 83 mg/kg/day Workers - Inhalation; Short term local effects: 101.2 mg/m³ Workers - Inhalation; Long term local effects: 67.5 mg/m³ Consumer - Inhalation; Short term local effects: 60.7 mg/m³ Consumer - Inhalation; Long term systemic effects: 40.5 mg/m³ Consumer - Dermal; Long term systemic effects: 50 mg/kg/day Consumer - Oral; Long term systemic effects: 5 mg/kg/day Consumer - Inhalation; Long term local effects: 40.5 mg/m³
PNEC	- Fresh water; 1.1 mg/l - marine water; 0.11 mg/l - Intermittent release; 11 mg/l - STP; 200 mg/l - Sediment (Freshwater); 4.4 mg/kg - Sediment (Marinewater); 0.44 mg/kg - Soil; 0.32 mg/kg

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z) (CAS: 110-25-8)

Ingredient comments	No exposure limits known for ingredient(s).
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DNEL

Workers - Inhalation; Long term systemic effects: 0.2 mg/m³
 Workers - Inhalation; Long term local effects: 0.01 mg/m³
 Workers - Inhalation; Short term systemic effects: 18 mg/m³
 Workers - Inhalation; Short term local effects: 18 mg/m³
 Workers - Dermal; Long term systemic effects: 10 mg/kg/day
 Workers - Dermal; Short term systemic effects: 100 mg/kg/day
 Consumer - Oral; Short term systemic effects: 92 mg/kg/day
 Consumer - Oral; Long term systemic effects: 5 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 0.1 mg/m³
 Consumer - Inhalation; Long term local effects: 0.005 mg/m³
 Consumer - Inhalation; Short term systemic effects: 9 mg/m³
 Consumer - Inhalation; Short term local effects: 9 mg/m³
 Consumer - Dermal; Long term systemic effects: 5 mg/kg/day
 Consumer - Dermal; Short term systemic effects: 50 mg/kg/day

PNEC

- Fresh water; 0.43 mg/l
 - marine water; 0.043 mg/l
 - STP; 13 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber.
Odour	Characteristic.
Odour threshold	No information available.
pH	No information available.

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Melting point	No information available.
Pour Point	No information available.
Freezing Point	No information available.
Initial boiling point and range	> 300°C
Flash point	> 140°C Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.895
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.

9.2. Other information

Other information	Not determined.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Oxidising agents. Acids. Alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard No information available.

Inhalation

May cause respiratory irritation.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact

May be slightly irritating to skin.

Eye contact

May cause temporary eye irritation.

Toxicological information on ingredients.

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HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICSAcute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Notes (oral LD₅₀) OECD 401

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,160.0

Species Rabbit

Notes (dermal LD₅₀) OECD 402

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5,266.0

Species Rat

Notes (inhalation LC₅₀) OECD 403

ATE inhalation (vapours mg/l) 5,266.0

Skin corrosion/irritation

Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

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Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Inhalation

Vapours in high concentrations are narcotic. Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. May cause irritation. Nausea, vomiting. Diarrhoea.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

May cause temporary eye irritation.

2-(2-BUTOXYETHOXY)ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 6,600.0

Species Rat

Notes (oral LD₅₀) LD₅₀ 2410 mg/kg, Oral, Mouse LD₅₀ 3305 mg/kg, Oral, Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,764.0

Species Rabbit

ATE dermal (mg/kg) 2,764.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 29 ppm, 2 hours, Rat
LC₀ 0.35 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Slightly irritating. Rabbit

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation No specific test data are available.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity No specific test data are available.

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Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.
Prolonged or repeated exposure may cause the following adverse effects: Kidney damage. Blood damage.

Aspiration hazard

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

Toxicokinetics

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion This product has low toxicity. No harmful effects expected from quantities likely to be ingested by accident. The product irritates mucous membranes and may cause abdominal discomfort if swallowed. Only large quantities are likely to have adverse effects on human health. May cause internal injury.

Skin contact May be slightly irritating to skin. Prolonged and frequent contact may cause redness and irritation.

Eye contact Causes serious eye irritation. Symptoms following overexposure may include the following: Severe irritation. Vapour or spray may cause temporary (reversible) eye damage.

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 1.37

Species Rat

ATE inhalation (dusts/mists mg/l) 1.37

Skin corrosion/irritation

Animal data Irritating.

Serious eye damage/irritation

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Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation Data lacking.

Skin sensitisation

Skin sensitisation Data lacking.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard Data lacking.

Inhalation Harmful if inhaled.

Ingestion The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

Skin contact Irritating to skin.

Eye contact Causes serious eye damage.

SECTION 12: Ecological information

Ecotoxicity The product components are 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.

Ecological information on ingredients.

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

2-(2-BUTOXYETHOXY)ETHANOL

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

TINSCO MM CI 1975**Ecotoxicity**

Toxic to aquatic life.

12.1. Toxicity**Toxicity**

Not considered toxic to fish.

Ecological information on ingredients.**HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS****Acute aquatic toxicity****Acute toxicity - fish**LC₅₀, 96 hours: > 1028 mg/l,
OECD 203**Acute toxicity - aquatic invertebrates**EC₅₀, >: > 3193 mg/l, Marinewater invertebrates**Acute toxicity - aquatic plants**IC₅₀, 72 hours: >10000 mg/l, Algae**2-(2-BUTOXYETHOXY)ETHANOL****Toxicity**

Not considered toxic to fish.

Acute aquatic toxicity**Acute toxicity - fish**LC₅₀, 96 hours: 2700 mg/l, Fish
LC₅₀, 96 hours: 1300 mg/l, Lepomis macrochirus (Bluegill)
OECD 203**Acute toxicity - aquatic invertebrates**EC₅₀, 48 hours: >100 mg/l, Daphnia magna
OECD 202**Acute toxicity - aquatic plants**ErC₅₀, 96 hours: > 100 mg/l, Scenedesmus subspicatus
OECD 201
EyC₅₀, 96 hour: > 100 mg/l, Scenedesmus subspicatus
OECD 201**Acute toxicity - microorganisms**EC₁₀, 0.5 hour: > 1995 mg/l, Activated sludge
OECD 209
EC₅₀, : 255 mg/l, Activated sludge**GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)****Acute aquatic toxicity****Acute toxicity - fish**LC₅₀, 96 hours: 3.2-4.6 mg/l, Fish**Acute toxicity - aquatic invertebrates**EC₅₀, 48 hours: 0.53 mg/l, Daphnia magna**Acute toxicity - aquatic plants**EC₅₀, 72 hours: 5.1 mg/l, Algae**Chronic aquatic toxicity****NOEC**

0.01 < NOEC ≤ 0.1

Degradability

Non-rapidly degradable

M factor (Chronic)

1

12.2. Persistence and degradability

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Persistence and degradability The product is readily biodegradable.

Ecological information on ingredients.

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation (%) 74: 28 days

2-(2-BUTOXYETHOXY)ETHANOL

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation 89 - 93%: 28 days
OECD 301C
- Degradation 100%: 28 day
OECD 302B

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation 85: 28 days

Biological oxygen demand 2400 g O₂/g substance

Chemical oxygen demand 1430 g O₂/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

2-(2-BUTOXYETHOXY)ETHANOL

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 1.00

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Soluble in water.

Ecological information on ingredients.

TINSCO MM CI 1975**HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS**

Mobility	The product is immiscible with water and will spread on the water surface.
Surface tension	0.0249 mN/m @ 25°C

2-(2-BUTOXYETHOXY)ETHANOL

Mobility	Highly mobile.
Adsorption/desorption coefficient	- Koc: 2 @ 20°C Estimated value.

GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Mobility	The product is insoluble in water.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
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Ecological information on ingredients.**HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS**

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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2-(2-BUTOXYETHOXY)ETHANOL

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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12.6. Other adverse effects

Other adverse effects	Not determined.
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Ecological information on ingredients.**HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, <0.03% AROMATICS**

Other adverse effects	Not available.
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2-(2-BUTOXYETHOXY)ETHANOL

Other adverse effects	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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GLYCINE, N METHYL-N-(1-OXO-9-OCTADECENYL) - (Z)

Other adverse effects	Not determined.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty. Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

TINSCO MM CI 1975

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 Kow: Octanol-water partition coefficient.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 BCF: Bioconcentration Factor.
 BOD: Biochemical Oxygen Demand.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Level.
 NOEC: No Observed Effect Concentration.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 EL50: Exposure Limit 50
 hPa: Hectopascal
 LL50: Lethal Loading fifty
 OECD: Organisation for Economic Co-operation and Development
 POW: Octanol-water partition coefficient
 SCBA: self-contained breathing apparatus
 STP: Sewage Treatment Plant
 VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Classification procedures according to Regulation (EC) 1272/2008

NC: Calculation method.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

27/06/2023

TINSCO MM CI 1975

Version number	1.000
SDS number	65815
SDS status	Approved.
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H410 Very toxic to aquatic life with long lasting effects.
Signature	Jitendra Panchal

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.