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Polish, wax and dirt remover

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.
- Notes to physician** : Not available.
- Specific treatments** : Not available.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...). Some metallic oxides.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

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8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> 1-Methoxy-2-propanol	EH40-WEL (United Kingdom (UK), 1/2005). Skin STEL: 560 mg/m ³ 15 minute(s). Form: All forms STEL: 150 ppm 15 minute(s). Form: All forms TWA: 375 mg/m ³ 8 hour(s). Form: All forms TWA: 100 ppm 8 hour(s). Form: All forms

Exposure controls

Occupational exposure controls : Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

Hand protection : Butyl rubber gloves. Permeation time >= 8 hours: (5 mm)

Eye protection : splash goggles

Skin protection : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Colour : Clear Colourless.

Odour : Characteristic. (Slight.)

Important health, safety and environmental information

pH : 12.8 (Conc. (% w/w): 100) [Basic.]

Melting point : May start to solidify at 21.95°C (71.5°F) based on data for: Triethanolamine. Weighted average: -16.08°C (3.1°F)

Boiling point : The lowest known value is 72 to 77°C (161.6 to 170.6°F) (Oxirane methyl-, polymer with oxirane, tridecyl ether). Weighted average: 134.86°C (274.7°F)

Flash point : Closed cup: Higher than 93.3°C (200°F).

Explosive properties : Not available.

Oxidising properties : Not available.

Relative density : 1.031 g/cm³ (20°C / 68°F)

Solubility : Easily soluble in cold water, hot water, methanol, diethyl ether, acetone. Insoluble in n-octanol.

Viscosity : Dynamic: The highest known value is 135 cP (Oxirane methyl-, polymer with oxirane, tridecyl ether). Weighted average: 105.8 cP

Evaporation rate (butyl acetate = 1) : The highest known value is 0.814 (1-Methoxy-2-propanol) Weighted average: 0.07 compared to Butyl acetate.

Other information

Auto-ignition temperature : The lowest known value is 204.45 to 227.75°C (400 to 441.9°F) (2-(2-Butoxyethoxy) ethanol).

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10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Stable under recommended storage and handling conditions (see section 7).
- Materials to avoid** : Reactive with acids.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...). Some metallic oxides.

11. Toxicological information

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin Contact** : No known significant effects or critical hazards.
- Eye contact** : Irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
2-(2-Butoxyethoxy)ethanol	LD50	5660 mg/kg	Oral	Rat
	LD50	2200 mg/kg	Oral	Rabbit
	LD50	2400 mg/kg	Oral	Mouse
	LD50	2700 mg/kg	Dermal	Rabbit
Oxirane methyl-, polymer with oxirane, tridecyl ether glycine, n,n-bis(carboxymethyl)-, trisodium salt	LD50	>2000 mg/kg	Oral	Rat
	LD50	1100 mg/kg	Oral	Rat
	LD50	681 mg/kg	Oral	Mouse
	LD50	750 mg/kg	Oral	Monkey
Triethanolamine	LD50	2200 mg/kg	Oral	Rabbit
	LD50	2200 mg/kg	Oral	Guinea pig
	LD50	5846 mg/kg	Oral	Mouse
	LD50	10000 mg/kg	Dermal	Rabbit
	LD50	5700 mg/kg	Oral	Rabbit
	LD50	11700 mg/kg	Oral	Mouse
1-Methoxy-2-propanol	LD50	13500 mg/kg	Dermal	Rabbit
	LDLo	3739 mg/kg	Oral	Rat
	LC50	7000 (6 hour(s))	Inhalation	Rat
	LC50	10000 (5 hour(s))	Inhalation	Rat

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects : Not available.

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12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-(2-Butoxyethoxy)ethanol	Lepomis macrochirus (LC50)	96 hour(s)	1300 mg/l
Oxirane methyl-, polymer with oxirane, tridecyl ether	LEUCISCUS IDUS (LC50)	96 hour(s)	1 to 10 mg/l
glycine, n,n-bis(carboxymethyl)-, trisodium salt	Fish (LC50)	96 hour(s)	>200 mg/l
Triethanolamine	Scenedesmus subspicatus (EC50)	48 hour(s)	470 mg/l
	Scenedesmus subspicatus (EC50)	48 hour(s)	750 mg/l
	Pimephales promelas (LC50)	96 hour(s)	11800 mg/l
1-Methoxy-2-propanol	Bacteria (EC50)	48 hour(s)	>1000 mg/l
	Fish (LC50)	96 hour(s)	>1000 mg/l

Other ecological information

Persistence/degradability

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Oxirane methyl-, polymer with oxirane, tridecyl ether	-	-	Readily
Triethanolamine	-	-	Not readily
1-Methoxy-2-propanol	-	-	Readily

Bioaccumulative potential

<u>Ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
1-Methoxy-2-propanol	<1	-	low

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Waste classification** : Not applicable.
: Not available.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

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Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-	-		-
ADN Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

15. Regulatory information

EU Regulations

Hazard symbol(s)

:



Irritant

Risk Phrases

: R36- Irritating to eyes.

Safety Phrases

: S2- Keep out of the reach of children.
 S25- Avoid contact with eyes.
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S46- If swallowed, seek medical advice immediately and show this container or label.
 S64- If swallowed, rinse mouth with water (only if the person is conscious).

Other EU regulations

: Not available.

Product use

: Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
 - Consumer applications.

EC Statistical classification (Tariff Code)

: 32089091

Ingredients identification information

: 5% or over but less than 15%: non-ionic surfactants. less than 5%: NTA (nitrilotriacetic acid) and salts thereof.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)

: R10- Flammable.
 R22- Harmful if swallowed.
 R36- Irritating to eyes.
 R38- Irritating to skin.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

: Xn - Harmful
 Xi - Irritant

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This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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