



Safety Data Sheet

According to regulation (EC) NO 453/2010

Prowet MRN

Revision Date 16-01-2020

1: Identification of the Substance / Preparation and Company:

Product Identifier: Prowet MRN

Usage: Auxiliary/ Bleaching agent for Textile Industry

Company: M N Chemical Industries (Pvt) Ltd.
20th KM Faisalabad Jaranwala Road.
Faisalabad, 38000.Pakistan.

Mills: +92-41-8507660

Email: info@mnchemical.com.pk

Emergency Telephone Number : +92-41-8507662

2 : Hazards Identification

EU Classification (1999/45/EC)



Xn

R-36 Irritating to eyes

R-38 Irritating to skin

2.1 Classification of the substance or mixture

Classification according to CLP regulation (EC) No. 1272/2008

Not a dangerous substance according to GHS.

2.2 Label elements

Labelling according to CLP regulation (EC) No. 1272/2008



H-315 May cause skin irritation

H-320 May cause eye irritation

Precautionary statements :

P-280 Wear protective gloves/protection/face protection

Response Statements :



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P-333 + P-313 If skin irritation or rash occurs: Get medical advice/attention

P-337 + P-313 If eye irritation persists: Get medical advice/attention

2.3 Other Hazards

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

3: Composition / Information on ingredients:

Mixture of Alcohol Ethoxylate

Ionic Nature : Non-ionic

Substance/Mixture : Mixture

Substance Name	CAS No.	% [weight]
Oxirane,2-methyl-,polymer with oxirane,mono(2-propylheptyl)ether	166736-08-9	15%
Poly(oxy-1,2-ethanediyl),alpha.-(2-propylheptyl)-omega,-hydroxy-	160875-66-1	15%
Water	7732-18-5	70%

4: First Aid Measures:

Skin contact: Remove contaminated clothing. In the Event of contact with the skin, remove excess product with a clean cloth; clean skin with water (or soap and water). If irritation persists or if any sign of tissue damage is apparent; obtain medical advice immediately.

Eye contact: In the event of contact with eyes, wash with plenty of water for at least ten min. Obtain medical advice immediately if Irritation persists or there is any tissue damage.

Inhalation: In the event of excessive inhalation remove the individual to fresh air and keep at rest; obtain medical advice immediately.

Ingestion: In the event of accidental ingestion, rinse mouth with water; give up to one tumbler (½ pint) of milk or water to drink; obtain medical advice immediately.

5: Fire Fighting Measures:

Extinguishing Media: Dry powder, carbon dioxide, foam or water sprays.



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Exposure Hazards: Difficult to ignite but in a fire situation it will burn by giving toxic fumes. As the product contains water, the potential for electric shorting exists.

Protective Apparatus: Fire fighters and others exposed, wear self equipment of breathing.

6: Accidental Release Measures:

Personal Precaution: Use personal protection equipment during any work. Avoid breathing vapours from hot materials.

Environmental Precaution: Do not empty into drains or waters. If sewers become contaminated contact local water authority and police or to inform the environment agency?

Methods for Cleaning up: Take up with absorbent material and fill into a closable container.

Additional Information: For further disposal measures see chapter 13.

7: Handling and Storage:

Handling: Handle in a well ventilated area. Keep concentration of vapours as low as is reasonably practicable and observe occupational exposure limits detailed in Section 8.

Storage Class: Store in closed containers away from all sources of heat.

Storage Stability: Storage Period: 09 months in sealed drums/containers

8: Exposure Controls / Personal Protection:

Engineering Measures: Ensure adequate ventilation to keep vapour concentrations below occupational exposure limits.

Occupational Exposure limits: (EH40) See National Regulations

Eyes: Goggles

Respiratory Protection: Wear suitable respiratory protection if exposure limits may be exceeded airline respirator or cartridge respirator with appropriate.

9: Physical and Chemical Data:



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Appearance	Liquid
Colour	Transparent/colourless
Odour	Odourless
Solubility in water	Easy Soluble
pH	6 - 7
Viscosity	400 -500 Cps 10 rpm spindle 6
Flammability	Not applicable
Explosive properties	Not applicable
Vapour pressure	Not applicable

10: Stability and Reactivity

Thermal Decomposition:	No thermal decomposition when stored and handled correctly.
Hazardous Reaction:	No Hazardous reaction when used directed.
Impact sensitivity:	Not impact sensitive.

11. Toxicological Information:

Acute Oral Toxicity:	LD50 > 2.000 mg/kg tested in rats
Acute Dermal Toxicity:	LD50 > 2.000 mg/kg tested in rats
Skin irritation:	Non irritant tested on rabbits
Eye irritation:	Non irritant tested on rabbit eyes

12: Ecological Information

COD value:	0.12 g O ₂ /g
BOD ₅ value:	0.17 g O ₂ /g
BOD ₂₈ value:	0.20 g O ₂ /g
LC 50:	Greater than 4000 mg/l Test Species = Rainbow Trout Testing Time = 96 Hours

Own classification Classification in accordance with the german water resources Act Product does not add to the AOX value of the sewage. DIN 38409 the product dose not contain heavy metals in concentration of concern for waste water. The product does not release nitrogen which can contribute to eutrophisation the product contain <0.1% phosphorus as phosphate.

- Product may add with maximum 2-3% to the AOX-Value of the sewage (DIN 38409).
- The product does not contain heavy metals in concentrations of concern for waste water.
- The product does not release nitrogen which can contribute to eutrophication.



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13: Disposal Considerations:

Incinerated, local official regulation is observed.
European Waste Catalogue (EWC), textile auxiliaries and chemicals.
Soiled, empty containers are to be treated in the same way as the contents.

14: Transportation Information:

ADR	Non Hazardous Goods
ADNR	Non Hazardous Goods
RID	Non Hazardous Goods
IMDG	Non Hazardous Goods
IATA_C	Non Hazardous Goods
IATA_P	Non Hazardous Goods

Other Information: Avoid temperature below -20c and above 30c, keep separated from foodstuffs.

15: Regulatory Information:

No labelling is requiring in accordance with EEC directives.
The product contains ethanediol and diethylene glycol.
Observe national regulations.
Not subject to the germen regulation on flammable liquids (Vbf)

16: Other Information:

The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the product in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

17: Information on Intended Use:

The product of the Divisions Textiles Dyes and Consumer Care Chemicals are technical grade and unless otherwise stated or agreed are recommended only for industrial use in applications involving the pre-treatment of dyeing, printing or finishing of textiles. Other intended uses including their use in consumer products governed by specific legislation or standards should be referred to the manufacturer. The data contained in the MSDS apply only to MN Chemical Inds (Pvt) Ltd. products sold under their trade names. Technical information in support will be provided by MN Chemical Inds (Pvt) Ltd. at the request of competent authorities.