

SAFETY DATA SHEET

2 Methoxymethylethoxypropanol

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	2 Methoxymethylethoxypropanol
CAS-No.	34590-94-8
EC No.	252-104-2
PRODUCT NO.	DO0211, DO0223, DO0652, DO1707
SYNONYMS, TRADE NAMES	Dowanol DPM Glycol Ether, Dipropylene glycol monomethyl ether, XZ 96003.00 Experimental Cleaning Fluid
APPLICATION	Industrial Solvent Surface coating Cleaning agent
SUPPLIER	Central Chemical Supplies Ltd 44 Hall Road Donaghcloney Craigavon Northern Ireland BT66 7LJ +44 2838 881936 +44 2838 882335 info@ccsni.co.uk
Emergency Contact Number (Office Hours)	+44 2838 881936
Emergency Contact Number (Outside Office Hours)	+44 7872 501842

2 HAZARDS IDENTIFICATION

CLASSIFICATION (67/548)	-
CLASSIFICATION (EC 1272/2008)	
Physical	Not classified.
Health	Not classified.
Environmental	Not classified.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	252-104-2
CAS-No.	34590-94-8

4 FIRST-AID MEASURES

INHALATION

Move into fresh air and keep at rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

INGESTION

Do not induce vomiting. Get medical attention immediately!

SKIN CONTACT

Rinse immediately with plenty of water. Immediately remove contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if any discomfort continues.

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EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Rinse with water. Contact physician if discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIFIC HAZARDS

Oxides of: Carbon.

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Do not smoke, use open fire or other sources of ignition. Take precautionary measures against static discharges. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame. Avoid contact with oxidising agents. Store away from: Acids. Suitable containers: mild steel, stainless steel. Glass. Unsuitable containers: aluminium. Copper.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
2 Methoxymethylethoxypropanol	WEL	50 ppm	308 mg/m ³			Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Butyl rubber. Polyvinyl chloride (PVC).

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EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Mild		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	190	RELATIVE DENSITY	0.951 25
VAPOUR DENSITY (air=1)	5.11 @20C	VAPOUR PRESSURE	0.055 kPa @ 25°C
VISCOSITY	3.7 mPas @ 25°C	FLASH POINT (°C)	75 CC (Closed cup).
AUTO IGNITION	207	FLAMMABILITY LIMIT -	1.1
TEMPERATURE (°C)		LOWER(%)	
FLAMMABILITY LIMIT -	11	PARTITION COEFFICIENT	-0.35
UPPER(%)		(N-Octanol/Water)	

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis. Strong acids. Inorganic peroxides. Chemically active metals. When water is added, the product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Aldehydes. Ketones Acids - organic.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5135 mg/kg (oral rat)

INHALATION

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Liquid may irritate skin.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

LC 50, 96 Hrs, FISH mg/l 10000

EC 50, 48 Hrs, DAPHNIA, mg/l 1 919 mg/L Daphnia magna

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MOBILITY

The product is miscible with water. May spread in water systems.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

14 TRANSPORT INFORMATION

GENERAL

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

15 REGULATORY INFORMATION

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16 OTHER INFORMATION

Disclaimer

The information contained in this document is intended to describe the product only in terms of health, safety and environmental requirements for the purposes of its safe handling, use and disposal and is to the best of Central Chemical Supplies Limited knowledge and belief correct. Central Chemical Supplies Limited Technical Services will be pleased to give further advice and assistance, but customers must satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and that their facilities and arrangements are suitable for handling or using the product. Accordingly Central Chemical Supplies Limited disclaims any liability for loss, injury or damage which may result from the use of the product, this information or from such advice and assistance save as may be expressly agreed under its terms of sale.

This information does not comprise a technical or performance specification for the product and customers are referred to any relevant product technical information or specification issued by Central Chemical Supplies Limited.

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