

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Soil Wetter

Other Identifier: Ethylene glycol, propylene glycol, polymer; Ethylene oxide, propylene oxide, polymer

Recommended Use: Soil wetting agent

Supplier: Big Bubble
ABN: 51 290 656 636

Street Address: 18 Elliott Street
Midvale
Western Australia

Telephone Number: +61 08 9274 1992

Poisons Information Centre: 131 126 Australia

2. HAZARDS IDENTIFICATION

Road and Rail; Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Globally Harmonised System

Hazard Classification

Not hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Poisons Schedule: Not scheduled

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Oxirane, methyl-, polymer with oxirane	9003-11-6	<= 100 %

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ingestion: IF SWALLOWED: Rinse mouth, then drink a glass of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if you feel unwell.

Eye Contact: IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and

SAFETY DATA SHEET

lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Skin Contact: IF ON SKIN: Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water (and soap, if available) for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.

Medical attention and special treatment: Treat symptomatically.

5. FIRE FIGHTING MEASURES

General If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability Conditions Combustible liquid (C2); May burn but does not ignite readily.

Suitable Extinguishing Media: Use dry chemical, Carbon dioxide (CO₂), foam, or water spray for extinction – Do not use water jets.

Fire and Explosion Hazards Containers may explode when heated.

Hazardous combustion products: Fire may produce irritating and/or toxic gases, including oxides of Carbon.

Precautions for fire fighters and special protective equipment: Contain runoff from fire control or dilution water – Runoff may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Auto Ignition temperature: No Data Available

Decomposition Temperature: No Data Available

Flammability: No Data Available

Flash Point: 150 – 230 °C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material – Slippery when spilt. Avoid accidents, clean up immediately! Avoid breathing vapours and contact with eyes, skin, and clothing.

SAFETY DATA SHEET

Protective equipment:	Use personal protective equipment as required (see SECTION 8).
Emergency procedures:	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Environmental Precautions:	Prevent entry into soils, drains, and waterways.
Methods and materials for Containment and clean up:	Stop leak if safe to do so – Prevent entry into waterways, drains, or confined areas. Absorb with earth, sand, or other non-combustible material and transfer to properly labelled containers for disposal (see SECTION 13). Wash area down with excess water.

7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

Conditions for safe storage:	Keep in the original or suitable containers, i.e. stainless steel. Do not store in copper or copper alloy containers. Store in a cool, dry, and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use – Check regularly for leaks. Protect from moisture. Keep away from heat and sources of ignition – No smoking. Keep away from incompatible materials (see SECTION 10).
Precautions for safe handling:	Safety showers and eye wash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/aerosols and contact with eyes, skin, and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Keep away from heat and sources of ignition – No smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure control measures:	No value assigned for this specific material by Safe Work Australia.
Biological Monitoring	No information available.
Engineering Controls	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.
Personal Protective Equipment	
Eye and Face	Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or chemical goggles.
Skin	Handle with gloves. Recommended: Impervious gloves, e.g. rubber or PVC. Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.

SAFETY DATA SHEET

Respiratory

Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Organic vapour/particulate respirator (refer to AS/NZS 1715 & 1716).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Colourless
Odour:	Characteristic, mild
pH:	5 – 7.5 (1% aqueous solution)
Solubility:	Miscible with water
Auto Ignition temperature:	No Data Available
Decomposition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Flash Point:	150 – 230 °C
Boiling Point:	No Data Available
Melting/Freezing Point:	No Data Available
Freezing Point	No Data Available
Odour Threshold:	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Relative Density:	1.025 – 1.035
Upper Flammability Limit	No Data Available
Lower Flammability Limit:	No Data Available
Explosive limits:	No Data Available
Vapour density:	No Data Available
Vapour pressure;	No Data Available
Viscosity:	450 – 550 cPs (at 25 °C)
Biopersistence:	No Data Available
Crystallinity:	No Data Available
Dustiness:	No Data Available

SAFETY DATA SHEET

Particle size:	No Data Available
Redox potential:	No Data Available
Release of invisible flammable vapours and gases	No Data Available
Saturated Vapour Concentration	No Data Available

10. STABILITY AND REACTIVITY

Chemical stability:	Material is stable under normal conditions.
Conditions to avoid:	Keep away from heat and sources of ignition. Avoid exposure to moisture (hygroscopic).
Incompatible materials:	Incompatible/reactive with oxidising agents, strong acids, strong bases, water and copper.
Hazardous decomposition products:	Fire/decomposition may produce irritating and/or toxic gases, including oxides of Carbon.
Hazardous reactions or Polymerisation:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Expected to be a low ingestion hazard; large amounts may cause nausea and vomiting.
Eye contact:	Direct contact with eyes may cause temporary irritation.
Skin contact:	No adverse effects due to skin contact are expected. Prolonged skin contact may cause temporary irritation.
Inhalation:	No adverse health effects due to inhalation expected. Breathing in mists or aerosols may produce respiratory irritation.
Acute Toxicity:	LD50, Rat: > 2,000 mg/kg [Supplier's SDS]
Carcinogenicity:	Not expected to be carcinogenic.
Mutagenicity:	Not expected to be mutagenic.
Reproductive:	Not expected to impair fertility.

SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Aquatic toxicity: LC50, Fish: >100 mg/L (96 h) [Supplier's SDS] EC50, Crustacea: >100 mg/L (48 h) [Supplier's SDS]
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility:	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Poisons Schedule: Not scheduled.

16. OTHER INFORMATION

Revision date: 16/02/2025

Reason for issue: Update SDS

Key/Legend:

< Less Than_[SEP]

> Greater Than_[SEP]

AICS Australian Inventory of Chemical Substances_[SEP]

SAFETY DATA SHEET

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celcius

g Grams

g/cm³ Grams per Cubic Centimetre

g/l Grams per Litre

HSNO Hazardous Substance and New Organism

IDLH Immediately Dangerous to Life and Health

immiscible Liquids are insoluable in each other.

inHg Inch of Mercury

inH₂O Inch of Water

K Kelvin

kg Kilogram

kg/m³ Kilograms per Cubic Metre

LC₅₀ LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD₅₀ LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

ltr or L Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours

mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre; **mmH₂O** Millimetres of Water

mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health

NOHSC National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion

ppm Parts per Million

ppm/2h Parts per Million per 2 Hours

ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value; **tn** Tonne

TWA Time Weighted Average

ug/24H Micrograms per 24 Hours

SAFETY DATA SHEET

UN United Nations
wt Weight

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.