



White mineral oil (petroleum)	8042-47-5	1 - 5
EU Number: EINECS 232-455-8		
Dispersable polymers	Trade Secret	1 - 5
2,2',2"-Nitrilotriethanol	102-71-6	< 1
EU Number: EINECS 203-049-8		

Additional Information:

Nota N applies to CAS 64742-14-9.

#### 4 FIRST-AID MEASURES

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4.1 Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

4.2 Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and shoes before reuse.

4.3 Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

4.4 Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

#### 5 FIRE-FIGHTING MEASURES

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5.1 Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide).

5.2 Unsuitable Extinguishing Media:

Not specified.

5.3 Exposure Hazards:

Not determined.

5.4 Combustion Products from Fire:

Not determined.

5.5 Fire-Fighting Procedures:

Wear full protective equipment and a self-contained breathing apparatus.

5.6 Special Instructions:

Not applicable.

#### 6 ACCIDENTAL RELEASE MEASURES

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6.1 Personal Precautions:

Refer to other sections of this Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2 Methods for Cleaning up:

Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air.

For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode.

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

Contain spill.

Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry.

Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended.

Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Collect as much of the spilled material as possible using non-sparking tools.

Clean up residue with detergent and water.

Collect the resulting residue containing solution.

Place in a metal container approved for transportation by appropriate authorities.

Seal the container.

Dispose of collected material as soon as possible.

## 7 HANDLING AND STORAGE

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### 7.1 Precautions for Safe Handling:

Not specified.

### 7.2 Precautions for Safe Storage:

#### - Incompatible Materials/Conditions:

Store away from oxidising agents.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Recommended Ventilation:

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2 Exposure Limits:

#### Aluminium oxide (1344-28-1)

HSE WEL TWA: 10 mg/m<sup>3</sup> (inhalable dust)

4 mg/m<sup>3</sup> (respirable dust)

#### Glycerol (56-81-5)

HSE WEL TWA: 10 mg/m<sup>3</sup>

### 8.3 Exposure Controls:

#### 8.3.1 Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles.

#### 8.3.2 Hand Protection:

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

#### 8.3.3 Skin Protection:

Avoid skin contact.

#### 8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P2 particulate prefilters.

#### 8.3.5 Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

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- Appearance and Odour: White, viscous liquid.
- pH: 8.27
- Boiling point/boiling range:  $\pm 100$  °C
- Melting point/melting range: Not determined
- Flash point: Not determined
- Autoflammability: Not determined
- Flammable Limits - LEL: Not determined
- Flammable Limits - UEL: Not determined
- Vapour pressure:  $\leq 133$  Pa
- Water Solubility: Appreciable
- Specific gravity:  $\pm 1.06$  (Water=1)
- Vapour density:  $\geq 1$  (Air=1)
- Volatile organic compounds:  $\pm 157.8$  g/l (EPA24 calculated)
- Evaporation rate: Not determined
- Viscosity: 22000 mPa.s (Brookfield)
- Percent Volatile: Not determined

### 10 STABILITY AND REACTIVITY

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#### 10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

#### 10.2 Conditions to Avoid:

None known.

#### 10.3 Materials to Avoid:

None known.

#### 10.4 Hazardous Decomposition:

Hydrocarbons.

Toxic vapours, gases or particulates.

Carbon monoxide.

Carbon dioxide.

### 11 TOXICOLOGICAL INFORMATION

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11.1 Effects from Eye Contact:

- Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

11.2 Effects from Skin Contact:

- Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
- Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

11.3 Effects from Inhalation:

- May be absorbed following inhalation and cause target organ effects.
- Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

11.4 Effects from Ingestion:

- May be absorbed following ingestion and cause target organ effects.
- Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

11.5 Other Effects and Information:

- Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

12 ECOLOGICAL INFORMATION  
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12.1 Environmental Data:

Not determined.

12.2 Mobility in Soil and Water:

Not determined.

12.3 Persistence/Biodegradability:

Not determined.

12.4 Bioaccumulation Potential:

Not determined.

12.5 Ecotoxicity Data:

Not determined.

12.6 Ecofate Data:

Not determined.

12.7 Special statements for 2001/58/EC:

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

12.8 Other Effects and Information:

Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimised

to the extent possible.

### 13 DISPOSAL CONSIDERATIONS

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#### 13.1 Product as Sold:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

#### 13.2 Product in Use:

Not determined.

#### 13.3 Product after Use:

Not determined.

#### 13.4 Product Packaging:

Not determined.

#### 13.5 Potential for Recycling:

Not determined.

#### 13.6 Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

### 14 TRANSPORT INFORMATION

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- UN number: Not restricted for transportation.

### 15 REGULATORY INFORMATION

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Label Version Number:

06.00

Symbol(s):

None.

Risk Phrases:

R66 Repeated exposure may cause skin dryness or cracking.

R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S23A Do not breathe vapour.

S51 Use only in well ventilated areas.

S24/25 Avoid contact with the skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28B After contact with skin, wash immediately with plenty of water.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

S2 Keep out of the reach of children.

Disclosable Ingredients:

Distillates (petroleum), acid-treated light;

Distillates (petroleum), hydrotreated light.

Product Certifications:

EINECS.

### 16 OTHER INFORMATION

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16.1 Complete list of risk phrases:

- R45 May cause cancer.
- R51 Toxic to aquatic organisms.
- R52 Harmful to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

Complete MSDS revision in accordance with EU directive 2001/58/EC.

16.4 Regulatory Information:

The following UK Regulations as amended may affect the product as supplied:

- The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended;
- The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended;
- The Control of Substances Hazardous to Health Regulations 1999 as amended;
- The Special Waste Regulations 1996, as amended;
- The Environmental Protection Act, 1990, as amended;
- The Health and Safety at Work Act, 1974, as amended.

The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.