

EU Classification: Xn: R65
Concawe report 01/54: N: R51/53
Vendor Classification: R66
EU Nota: 4, H
White mineral oil (petroleum) 8042-47-5 1 - 5
EU Number: EINECS 232-455-8
Solvent naphtha (petroleum), heavy aromatic 64742-94-5 1 - 5
EU Number: EINECS 265-198-5
EU Classification: EU-3M classified(R:66-67)
EU-Adaptation 22(Xn; R:65)
EU-Vendor Classified(N; R:51/53)
Vendor Classification: N: R51/53; R66-67
EU Nota: 4,H
Surfactant Trade Secret 1

4 FIRST-AID MEASURES

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

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:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

5.4 Combustion Products from Fire:

Not determined.

5.5 Fire-Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment and a self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Please observe precautions from other sections of this Safety Data Sheet.

6.2 Methods for Cleaning up:

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. Collect as much of the spilled material as possible. 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. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid inhalation of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining. Avoid contact with oxidising agents.

- Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

7.2 Precautions for Safe Storage:

- Incompatible Materials/Conditions:

Store away from acids.
Store away from heat.
Store out of direct sunlight.
Store away from oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining. 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/m³ (inhalable dust)
4 mg/m³ (respirable dust)

8.3 Exposure Controls:

8.3.1 Eye Protection:

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

8.3.2 Hand Protection:

The following glove material(s) are recommended: Butyl rubber.
Nitrile rubber.

8.3.3 Skin Protection:

Avoid skin contact.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining.
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

- Appearance and Odour: White thick liquid with a paraffinic odour.
- pH: 7 - 9
- Boiling point/boiling range: Not determined
- Melting point/melting range: Not applicable
- Flash point: ≥ 62 °C
- Autoflammability: Not determined
- Flammable Limits - LEL: Not determined
- Flammable Limits - UEL: Not determined
- Vapour pressure: Not determined
- Water Solubility: Not determined
- Specific gravity: 1.12 g/cm³
- Vapour density: Not determined
- Evaporation rate: Not applicable
- Viscosity: 45000 mPa.s
- Percent Volatile: 28 %

10 STABILITY AND REACTIVITY

10.1 Stability and Reactivity:

Stable. Hazardous polymerisation will not occur.

10.2 Conditions to Avoid:

High shear and high temperature conditions.
Sparks and/or flames.

10.3 Materials to Avoid:
Alkali and alkaline earth metals.

10.4 Hazardous Decomposition:
Hydrocarbons.
Carbon monoxide.
Carbon dioxide.
Oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

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:
- Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.
Prolonged or repeated exposure may cause:
- Dermal Effects: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

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.
During grinding, scraping, sanding:
- Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

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

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:
A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:
Incinerate in an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

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

Transport Details:
Please see the Annex to this document in which all transportation information is given.

15 REGULATORY INFORMATION

Label Version Number:
01.00

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:
S51 Use only in well ventilated areas.
S23A Do not breathe vapour.
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.

Disclosable Ingredients:

Naphtha (petroleum), hydrodesulfurised heavy;
Distillates (petroleum), hydrotreated light;
Solvent naphtha (petroleum), heavy aromatic.

16 OTHER INFORMATION

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:

Added 3M stock numbers.

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.