
4.1 Eye Contact:

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

4.2 Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

4.3 Inhalation:

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

4.4 Ingestion:

No need for first aid is anticipated.

5 FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Non-combustible. Choose material suitable for surrounding fire.

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

6.1 Personal Precautions:

Ventilate the area with fresh air.
Cover, but do not seal for 48 hours.

6.2 Methods for Cleaning up:

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

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

For industrial or professional use only. Avoid inhalation of vapours, mists or spray. Avoid skin contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

7.2 Precautions for Safe Storage:

- Ventilation:

Keep container in a well-ventilated area.

- Incompatible Materials/Conditions:

Store away from heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Recommended Ventilation:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. For those situations where the fluid might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. 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:

None of the substances in the section 3 ingredient list are listed in the EH40 Exposure Limit Inventory.

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: Safety glasses with side shields. Indirect vented goggles.

8.3.2 Hand Protection:

The following glove material(s) are recommended: Butyl rubber. Neoprene. Nitrile rubber. Polyethylene or ethylene vinyl alcohol.

8.3.3 Skin Protection:

Avoid prolonged or repeated skin contact. Wear appropriate gloves or glove combination when handling hot material to protect from thermal and chemical hazards.

8.3.4 Respiratory Protection:

Avoid inhalation of vapours, mists or spray. Avoid inhalation of thermal decomposition products. During heating: Use a positive

pressure supplied-air respirator if there is a potential for exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection. 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:	Liquid with a mild acrylate odour.
- pH:	3.5
- Boiling point/boiling range:	100 °C
- Melting point/melting range:	Not applicable
- Flash point:	Not applicable
- Autoflammability:	Not applicable
- Flammable Limits - LEL:	Not applicable
- Flammable Limits - UEL:	Not applicable
- Vapour pressure:	2400 Pa (at 20 °C)
- Water Solubility:	Complete (Dispersable)
- Partition coefficient (K o/w):	Not determined
- Specific gravity:	1.003 (Water=1)
- Vapour density:	Not determined
- Evaporation rate:	Not determined
- Viscosity:	Not determined
- Percent Volatile:	Not determined

10 STABILITY AND REACTIVITY

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:
Carbon monoxide - During Combustion.
Carbon dioxide - During Combustion.
Hydrogen fluoride - During Combustion.
Toxic vapour, gas, particulate - During Combustion.

11 TOXICOLOGICAL INFORMATION

11.1 Effects from Eye Contact:
- Mild Eye Irritation: Signs/symptoms may include redness, pain and tearing.

11.2 Effects from Skin Contact:
Contact with the skin during product use is not expected to result in significant irritation.

11.3 Effects from Inhalation:
- Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
If thermal decomposition occurs:
- May be harmful if inhaled.

11.4 Effects from Ingestion:
No health effects are expected.

11.5 Other Effects and Information:
- Hydrogen fluoride has an ACGIH Threshold Limit Value of 3 parts per million (as fluoride) as a Ceiling Limit and an OSHA PEL of 3 ppm of fluoride as an eight hour Time-Weighted Average and 6 ppm of fluoride as a Short Term Exposure Limit. The odour threshold for HF is 0.04 ppm, providing good warning properties for exposure.

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:
Not determined.

13 DISPOSAL CONSIDERATIONS

13.1 Product as Sold:
Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste. Combustion products will include HF. Facility must be capable of handling halogenated materials.

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

- UN number: Not restricted for transportation.

15 REGULATORY INFORMATION

Symbol(s):
None.

Risk Phrases:
3M This product is not classified as hazardous according

to EU Directive 1999/45/EC.

Safety Phrases:

None.

Disclosable Ingredients:

No ingredients required on the label.

Product Certifications:

EINECS.

16 OTHER INFORMATION

16.1 Complete list of risk phrases:

None.

16.2 Limitations on Use of Product:

For industrial or professional use only.

16.3 Reissue date/Reason for reissue:

This is a first issue.

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.

