

# SAFETY DATA SHEET

MDC FUMEX FT/R

## 1. Identification of the preparation and of the company

**Product code** : 124608  
**Product name** : MDC FUMEX FT/R

**Supplier** : MDC Max Daetwyler AG  
 Flugplatz  
 CH-3368 Bleienbach

**Information contact** : Tel. No.: ++41 (0) 62 919 37 37  
 Fax: ++49 (0) 62 919 34 00  
 E-mail: mdc@daetwyler-graphics.ch

**Emergency telephone number** : Swiss Toxicological Information Centre CH-8030 Zürich  
 Tel: ++41 (0) 44 251 51 51

## 2. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

| Chemical name*   | CAS number | %   | EC number | Classification |
|--|------------|-----|-----------|----------------|
| ethanaminium, n,n,n-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1)<br>See section 16 for the full text of the R-phrases declared above | 56773-42-3 | 3-7 | 260-375-3 | T; R25         |

Occupational exposure limits, if available, are listed in section 8.

## 3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xn; R22  
**Human health hazards** : Harmful if swallowed.

## 4. First-aid measures

### First-aid measures

- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

## 5. Fire-fighting measures

- Extinguishing media** : Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : water jet.
- Recommendations** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.
- Special fire-fighting procedures** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. Accidental release measures

- Personal precautions** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.
- Spill** : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal. Avoid contact of spilt material with soil and prevent runoff entering surface waterways.

**Note:** see section 8 for personal protective equipment and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Do not ingest. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 5 to 30°C (41 to 86°F).
- Packaging materials**
- Recommended use** : Use original container.

## 8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day.
- Exposure limit values** : Not available.
- Personal protective equipment**
- Respiratory system** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
- Skin and body** : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.
- Hands**  
Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
- Eyes** : Use safety eyewear designed to protect against splash of liquids.
- Environmental exposure controls**  
Do not allow to enter drains or watercourses.

## 9. Physical and chemical properties

- Physical state** : Liquid.
- Odour** : Characteristic.
- Colour** : Colourless.
- pH** : (g/l)20°C
- Density** : 1.017 g/cm<sup>3</sup>
- Solubility** : Easily soluble in cold water.

## 10. Stability and reactivity

- Stability** : The product is stable.
- Hazardous decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub> etc.), sulphur oxides (SO<sub>2</sub>, SO<sub>3</sub>, etc.), halogenated compounds, hydrogen fluoride.

## 11. Toxicological information

### Acute toxicity

| <u>Ingredient name</u>   | <u>Test</u> | <u>Result</u> | <u>Route</u> | <u>Species</u> |
|--|-------------|---------------|--------------|----------------|
| ethanaminium, n,n,n-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1) | LD50        | 190 mg/kg     | Oral         | Rat            |

## 12. Ecological information

There is no data available on the preparation itself.  
Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

## 13. Disposal considerations

- Methods of disposal** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

## 14. Transport information

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Land transportation

- ADR/RID Class** : -
- Packing group** : -
- UN number** : Not regulated.
- Proper shipping name** : -
- ADR/RID Label** :

### Sea

- IMDG Class** : -
- Packing group** : -
- UN number** : Not regulated.
- Proper shipping name** : -
- IMDG Label** :

- Additional information** : -

## 15. Regulatory information

- EU regulations** : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

- Hazard symbol/symbols** :



## 15. Regulatory information

|  |  |
|--|--|
|  | Harmful  |
| <b>Risk phrases</b>  | : R22- Harmful if swallowed.   |
| <b>Contains</b>  | : ethanaminium, n,n,n-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:1)   |
| <b>Industrial use</b>  | : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work. |
| <b>Employment restrictions in accordance with section 15b of the Hazardous Substance Ordinance</b> | : Yes.   |
| <b>Hazardous incident ordinance</b>  | : No.  |
| <b>Hazard class for water</b>  | : 2  |

## 16. Other information

**Full text of R-phrases referred to in sections 2 and 3 - Germany**  
 : R25- Toxic if swallowed.  
 R22- Harmful if swallowed.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

**Date of issue** : 22-12-2005.

**Version** : 1.2

**Prepared by** : REGULATORY ENVIRONMENT MASTERFILE EUROPE

### Notice to reader

*The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.*