

MATERIAL SAFETY DATA SHEET

1. Product identification

Product Name: **Epilamizing solution ECO-50**

Emergency telephone number: Swiss Toxicological Information Centre (CH):
145
+41 44 251 51 51

Product use: Product destined to lower the surface tension on mechanical parts, for professional use only.

Manufacturer: LRCB Sàrl
Address: 26, chemin des Vignes - 2503 Bienne - Suisse
Date of publication: 31/07/2020

Established in accordance with EC Directive 1272/2008 and 1907/2006

2. Hazard identification

Pictogramm : None
Main dangers: H413 Harmful to aquatic organisms, may cause long-term effects

3. Composition

Name	CAS	H	%
Ether of perfluorobutyl and ethyl	163702-06-5	413	20-80%
Ether of perfluorobutyl and ethyl	163702-05-4	413	20-80%

4. First aid

In case of contact with eyes: Rinse thoroughly with water and seek medical advice.
In case of contact with skin: Rinse with soapy water, in case of illness, seek medical advice.
If inhaled: Remove casualty immediately from source of exposure and into fresh air.
If swallowed: Seek medical attention.

5. Firefighting measures

Extinguishing Agents: CO₂, powder, foam
Specific hazards: No particular risk of fire or explosion. Exposure to extreme temperatures may lead to thermal decomposition. See §10.
Special measures equipment: Wear full protective equipment including: helmet, self-contained breathing apparatus. Avoid breathing the products and substances that may result from thermal decomposition of the product or other substances in fire zone.

6. Accidental release measures

Personal Precautions: Observe the precautionary measures indicated in the other sections.
Measures after leakage or spillage: Cover with inorganic absorbent material. Evacuate unprotected personnel from the hazardous area. Ventilate the area. Contain

spill. Collect spilled material. Clean up residues with water detergent. Collect the resulting and residues containing the solution. Place in a metal container. Dispose of collected material as soon as possible.

7. Handling and storage

Precautions:	Store away from heat.
Ventilation :	Store in a good ventilated area.
Precautions for safe handling:	Keep container tightly closed. For industrial use only. Content may be under pressure: open with care. Avoid contact with skin and hot surfaces. Don't smoke: smoking during use of the product may induce the contamination of the tobacco and/or the fume and may cause the formation of dangerous products of thermal decomposition. See §10.

8. Exposure Controls / Personal Protection

Eye protection:	Avoid contact with the eyes.
Hand protection:	Avoid direct contact with the skin.
Respiratory protection:	Avoid inhalation of vapours, mists or spray. Select one of the following approved respirators based on airborne concentration of contaminants and in compliance with current regulations.
Ingestion:	Do not ingest.
Recommended ventilation:	Provide adequate local ventilation to ensure the exposure limit value is observed. Exposure limit over 8h : 200 ppm

9. Physical and Chemical Properties

Appearance (physical state, colour, odour):	Colorless fluid, low odour
pH :	N/A
Boiling Point:	76°C
Melting point:	-138°C
Flash point:	N/A
Temperature of auto ignition:	375°C
Vapour pressure:	109 mmHg at 25 °C
Relative density:	1,43 g/cm ³
Vapour density:	9,1 (air=1)

10. Stability and Reactivity

Materials to avoid:	Strong bases
Hazardous decomposition products:	Hydrogen fluoride, perfluoroisobutylene
Stability:	Stable. Hazardous polymerisation will not occur.

11 Toxicological information

Effects of eye contact:	Significant eye irritation is likely in case of contact with eyes.
Effects of skin contact:	Significant irritation of the skin is possible in case of contact with skin.
Effects in case of inhalation:	In case of thermal decomposition: illness can develop after one-time exposure to relatively large amounts of this product.
Effects if ingested:	Ingestion is likely to have an effect on

health.

12. Ecological information

Persistence/Degradability: This product has chemical entities resistant to biodegradation.
This product content a solvent of an atmospheric life of 0,8 years, this does not fall under the regulation of ORRChim.

Further information and data: Take the necessary precautions to avoid direct release of the product to the environment.

13. Disposal considerations

Product as sold: Mix with flammable material and incinerate in a suitable industrial facility. The products of decomposition contains HF.

Potential for recycling: Recycling at the manufacturer recommended.

Waste disposal: Dispose in accordance with the local Waste Disposal Authority and consider possible pollution through use.

Recommended waste codes: 07 01 03 Halogenated organic solvents, liquids and mother liquors
14 06 02 Other halogenated solvents and solvents mixtures

14. Transport Information

ADR : This product is not regulated.
IMDG : This product is not regulated.
IATA : This product is not regulated.

15 Regulatory information

15.1 Regulations on air protection (OPair): Substances class : 1

15.2 VOC Regulations: N/A

15.3 Characterisation according to the legislation on chemical products: Symbole(s) : None

Hazard statements: H413 Harmful to aquatic organisms, may cause long-term effects.

Safety advice: P261 Avoid to breathe vapours.
P273 Avoid release to the environment.
P302 In case of contact with skin, rinse thoroughly with soapy water.
P305 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
P402 Store in a dry area.
P410 Protect from sunlight.
P411 Store at a temperature not exceeding 25° C.
P501 Dispose of waste / receptacles in accordance with local regulations.
P502 See manufacturer instructions for the recovery.

16. Other information

This data sheet supplements the operating instructions but does not replace them. The information contained herein is based on our knowledge of the

product concerned as of the date of supply and is given in good faith. The user's attention is also drawn to risks that may arise when a product is used for purposes other than those for which it is intended. The information herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole responsibility for the precautions required when using the product..
