MATERIAL SAFETY DATA SHEET

spillage:

Emergency telephone number: Epitamitzing Solution Eco Swiss Toxicological Information Centre 145 +41 44 251 51 51 Product use: Product destined to lower the surface to on mechanical parts, for professionnal only. LRCB Sarl Address: Manufacturer: LRCB Sarl Address: Date of publication: 26, chemin des Vignes - 2503 Bienne - 5 31/07/2020 Established in accordance with EC Direct 1272/2008 and 1907/2006 2. Hazard identification Pictogramm : Main dangers: J. Composition Name Ether of perfluorobutyl and ethyl Ether of perfluorobutyl and ethyl In case of contact with skin: If inhaled: Rinse thoroughly with water and seek me advice. If swallowed: 5. Firefighting measures Extinguishing Agents: Specific hazards:	1. Product identification				
145 +41 44 251 51 51 Product destined to lower the surface room mechanical parts, for professionnal only. Manufacturer: LRCB Sårl Address: 26, chemin des Vignes - 2503 Bienne - 3 Date of publication: 31/07/2020 Established in accordance with EC Direct 1272/2008 and 1907/2006 2. Hazard identification Pictogramm : None Main dangers: H13 Harmful to aquatic organisms, may long-term effects 3. Composition Name Name CAS H Ether of perfluorobutyl and ethyl 163702-06-5 413 2 ethyl 163702-05-4 413 2 ethyl In case of contact with Rinse thoroughly with water and seek me advice. 111 In case of contact with Sin: Rinse with soapy water, in case of illn sin: 111 If inhaled: Remove casualty immediately from source exposure and into fresh air. 114 Specific hazards: No particular risk of fire or explosion Exposure to extreme temperatures may le thermal decomposition. 111 Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing aparafavit dor beathing the products and subst that may	⊃ − 50	ion ECO-	Epilamizing solut:	Product Name:	
+41 44 251 51 51 Product use: Product destined to lower the surface for mechanical parts, for professionnal only. Manufacturer: LRCB Sårl Address: 26, chemin des Vignes - 2503 Bienne - 3 Date of publication: 31/07/2020 Established in accordance with EC Direct 1272/2008 and 1907/2006 2. Hazard identification Pictogramm : None Main dangers: None Attribute CAS H 413 2 Statue Ether of perfluorobutyl and 163702-06-5 413 2 ethyl Statue In case of contact with eyes: Rinse thoroughly with water and seek me advice. In case of contact with seek medical advice. </td <td>ce (CH):</td> <td>ation Centre</td> <td></td> <td>Emergency telephone number:</td>	ce (CH):	ation Centre		Emergency telephone number:	
on mechanical parts, for professionnal only. Manufacturer: Address: Date of publication: Date of publication: Discogramm : Main dangers: Discogramm : Main dangers: Discogramm : Mame Discogramm : Mame Discogramm : Mame Discogramm : Mame Discogramm : Mame Discogramm : Discogramm : Mame Discogramm :		51			
Address: 26, chemin des Vignes - 2503 Bienne - 1 Date of publication: 31/07/2020 Established in accordance with EC Direct 1272/2008 and 1907/2006 2. Hazard identification Pictogramm : None Main dangers: H413 Harmful to aquatic organisms, may long-term effects 3. Composition Ether of perfluorobutyl and 163702-06-5 413 Sether of perfluorobutyl and ethyl 163702-05-4 413 Advice. Rinse thoroughly with water and seek me advice. 413 In case of contact with eyes: Rinse thoroughly with water and seek me advice. 161 If inhaled: Remove casualty immediately from source exposure and into fresh air. 5 Specific hazards: No particular risk of fire or explosion Special measures equipment: Wear full protective equipment includir helment decomposition. See \$10. Special measures equipment: Wear full protective equipment includir helment, self-contained breathing apparative down and substative that may result from thermal decomposition.			on mechanical parts, for proonly.	Product use:	
1272/2008 and 1907/2006 2. Hazard identification Pictogramm : None Main dangers: H413 Harmful to aquatic organisms, may long-term effects 3. Composition Ether of perfluorobutyl and 163702-06-5 Name CAS H Ether of perfluorobutyl and ethyl 163702-05-4 413 2 4. First aid In case of contact with eyes: Rinse thoroughly with water and seek me advice. In case of contact with skin: Rinse with soapy water, in case of illi seek medical advice. If inhaled: Remove casualty immediately from source exposure and into fresh air. If swallowed: Seek medical attention. 5. Firefighting measures CO2, powder, foam Specific hazards: No particular risk of fire or explosion Exposure to extreme temperatures may lethermal decomposition. See §10. Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing appara. Avoid breathing the products and substathat may result from thermal decomposition the main decomposition the products or other substances in fire	Suisse	3 Bienne - Si	26, chemin des Vignes - 2503	Address:	
Pictogramm : None Main dangers: H413 Harmful to aquatic organisms, may long-term effects 3. Composition	ective	ith EC Direct			
Main dangers: H413 Harmful to aquatic organisms, may long-term effects 3. Composition CAS H % Sther of perfluorobutyl and ethyl 163702-06-5 413 2 Ether of perfluorobutyl and ethyl 163702-05-4 413 2 4. First aid 163702-05-4 413 2 4. First aid In case of contact with eyes: Rinse thoroughly with water and seek me advice. In case of contact with seek medical advice. Rinse with soapy water, in case of illnes seek medical advice. If inhaled: Remove casualty immediately from source exposure and into fresh air. If swallowed: Seek medical attention. 5. Firefighting measures CO2, powder, foam Extinguishing Agents: CO2, powder, foam Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing apara Avoid breathing the products and substates that may result from thermal decompositi the product or other substances in fire				2. Hazard identification	
Name CAS H % Ether of perfluorobutyl and 163702-06-5 413 2 ethyl Ether of perfluorobutyl and 163702-05-4 413 2 4. First aid 163702-05-4 413 2 4. First aid Rinse thoroughly with water and seek me advice. In case of contact with seek medical advice. Rinse with soapy water, in case of illn skin: seek medical advice. If inhaled: Remove casualty immediately from source exposure and into fresh air. 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 least thermal decomposition. See §10. Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and subta that may result from thermal decomposition for the substances in fire	y cause	anisms, may (H413 Harmful to aquatic orga	-	
Ether of perfluorobutyl and 163702-06-5 413 2 ethyl Ether of perfluorobutyl and 163702-05-4 413 2 4. First aid 163702-05-4 413 2 4. First aid Rinse thoroughly with water and seek me advice. 413 2 In case of contact with eyes: Rinse thoroughly with water and seek me advice. 11 11 In case of contact with seek medical advice. Rinse with soapy water, in case of ills seek medical advice. 11 11 If inhaled: Remove casualty immediately from source exposure and into fresh air. 15 16 16 If swallowed: Seek medical attention. 16 16 16 16 Specific hazards: CO2, powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may let thermal decomposition. See \$10. 10 10 Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substat that may result from thermal decomposit the product or other substances in fire				3. Composition	
Ether of perfluorobutyl and 163702-05-4 413 2 ethyl 4. First aid 413 2 4. First aid Rinse thoroughly with water and seek me advice. 11 11 In case of contact with eyes: Rinse thoroughly with water and seek me advice. 11 In case of contact with skin: Rinse with soapy water, in case of ills seek medical advice. 11 If inhaled: Remove casualty immediately from source exposure and into fresh air. 15 If swallowed: Seek medical attention. 16 5. Firefighting measures CO2, powder, foam 10 Extinguishing Agents: CO2, powder, foam 10 10 Specific hazards: No particular risk of fire or explosion Exposure to extreme temperatures may letthermal decomposition. See \$10. 10 Special measures equipment: Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substates that may result from thermal decomposition thermal decomposition for the substances in firetor the product or other substances in firetor	% 20-80%			Ether of perfluorobutyl and	
In case of contact with eyes: In case of contact with skin: If inhaled: Seek medical advice. If swallowed: 5. Firefighting measures Extinguishing Agents: Specific hazards: Special measures equipment: Special measures equipment: CO2, powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may letthermal decomposition. See §10. Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substate thermal decomposition thermal decomposition. See §10. Special measures equipment: Special measures equipment equipment equi	20-80%	413 20	163702-05-4	Ether of perfluorobutyl and	
eyes:advice.In case of contact withRinse with soapy water, in case of illskin:seek medical advice.If inhaled:Remove casualty immediately from source exposure and into fresh air.If swallowed:Seek medical attention. 5. Firefighting measures Extinguishing Agents:CO2, powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may let thermal decomposition. See §10.Special measures equipment:Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substat that may result from thermal decompositi the product or other substances in fire				4. First aid	
<pre>skin: If inhaled: If inhaled: If swallowed: Seek medical advice. Remove casualty immediately from source exposure and into fresh air. Seek medical attention.</pre> 5. Firefighting measures Extinguishing Agents: Specific hazards: Specific hazards: Special measures equipment: Special measures equipment: Sp			advice.	eyes:	
If swallowed:exposure and into fresh air. Seek medical attention.5. Firefighting measuresExtinguishing Agents:CO2, powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may letthermal decomposition. See §10.Special measures equipment:Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substat that may result from thermal decomposition the product or other substances in fire			seek medical advice.	skin:	
Extinguishing Agents: Specific hazards: Special measures equipment: CO ₂ , powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may le thermal decomposition. See §10. Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substa that may result from thermal decomposit the product or other substances in fire	01		exposure and into fresh air.		
Extinguishing Agents: Specific hazards: Special measures equipment: CO ₂ , powder, foam No particular risk of fire or explosion Exposure to extreme temperatures may le thermal decomposition. See §10. Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substa that may result from thermal decomposit the product or other substances in fire				5. Firefighting measures	
<pre>Specific hazards: No particular risk of fire or explosion Exposure to extreme temperatures may le thermal decomposition. See §10. Wear full protective equipment includin helmet, self-contained breathing appara Avoid breathing the products and substa that may result from thermal decomposit the product or other substances in fire</pre>			CO. nowder form		
helmet, self-contained breathing appara Avoid breathing the products and substa that may result from thermal decomposit the product or other substances in fire		tures may lea	No particular risk of fire of Exposure to extreme temperat		
6. Accidental release measures	ratus. tances ition o:	thing appara s and substa l decomposit:	helmet, self-contained breat Avoid breathing the products that may result from thermal	Special measures equipment:	
			es	6. Accidental release measur	
Personal Precautions: Observe the precautionary measures ind: in the other sections.	dicated	easures indi		Personal Precautions:	

Measures after leakage or 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: Ventilation : Precautions for safe handling:

Store away from heat. Store in a good ventilated area. 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: Hand protection: Respiratory protection:

Recommended ventilation:

Ingestion:

Avoid contact with the eyes. Avoid direct contact with the skin. 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. Do not ingest. Provide adequate local ventilation to ensure the exposure limit value is observed. Exposure limit over 8h : 200 ppm

9. Physical and Chemical Properties

N/A

N/A

76°C

-138°C

375°C

1,43 g/cm³

9,1 (air=1)

109 mmHg at 25 °C

Appearance (physical state, Colorless fluid, low odour colour, odour): pH : Boiling Point: Melting point: Flash point: Temperature of auto ignition: Vapour pressure: Relative density: Vapour density:

10. Stability and Reactivity

Materials to avoid: Hazardous decomposition products: Stability:

Strong bases Hydrogen fluoride, perfluoroisobutylene 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	In case of thermal decomposition: illness can
inhalation:	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
Further information and data:	fall under the regulation of ORRChim. Take the necessary precautions to avoid direct release of the product to the environment.
13. Disposal considerations	
Product as sold:	Mix with flamable material and incinerate in a suitable industrial facility. The products of decomposition contains HF.
Potential for recycling: Waste disposal:	Recycling at the manufacterer recommended. 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 solvants and solvents mixtures
14. Transport Information	
ADR :	This product is not regulated.
IMDG : IATA :	This product is not regulated. This product is not regulated.

15 Regulatory information

<pre>15.1 Regulations on air protection (OPair): 15.2 VOC Regulations: 15.3 Characterisation according to the legislation on chemical products:</pre>	Substances class : 1 N/A 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. 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..