



27. Juli 2011

EC Material Safety Data Sheet

according to directive 91/155/EWG

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| Trade name: Fluxi FL 33 E | Flux Dispenser | F-SW 34 DIN ISO 9454 / 2.2.3.A Solid content: 3,0% |
| 1.) <u>Manufacturer / supplier</u> Address: | EDSYN GMBH EUROPA Finkenweg 2 D 97892 Kreuzwertheim | Tel. 09342 - 6413 Fax: 09342 - 6417 |
| 2.) <u>Composition / data on components</u> Chemical characterization: Dangerous components: | alcohol solution 10,0 - 30,0 % Propanol - 2 70,0 - 100,0 % Ethanol 1,0 - 5,0 % Carboxylic acids | CAS-number 67-63-0 64-17-5 |
| 3.) <u>Hazards identification</u> Hazard designation: Information pertaining to particular dangers for man and environment: | F highly flammable, R 11 highly flammable R 36 irritating to eyes R 67 vapours may cause drowsiness and dizziness | Xi irritant |
| 4.) <u>FIRST AID MEASURES</u> After inhalation: After skin contact: After eye contact: After swallowing: | bring to fresh air wash with water, change clothes wash several minutes with water and contact physician Contact physician. | |
| 5.) <u>Fire fighting measures</u> Suitable extinguishing: Special hazards caused by the material, its products of combustion or resulting gases: Protective equipment: | CO ₂ , powder or alcohol-resist foam. Poisonous carbon oxides can result. Use safety-clothes and compressed air from tanks. | |
| 6.) <u>Accidental release measures</u> Person-related safety precautions: | Use protective clothing. Avoid unprotected persons. | |



| <p>Measures for environmental protection:</p> <p>Measures for cleaning/collecting:</p> | <p>Do not empty into drains.</p> <p>Use universal binder.</p> <p>Look for adequate air ventilation.</p> | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------|---------------|------------|-------------------|------------------|--------------|---------|------------|------------|-----|-----|-------------------|-----|-------------------|---------|---------|------------|-----|-----|-------------------|-----|-------------------|
| <p>7.) <u>Handling and storage</u></p> <p>7.1) <u>Handling:</u> Information for safe handling:</p> <p>Information about protection against explosions and fires:</p> <p>7.2) <u>Storage:</u> Requirements to be met by storerooms and containers:</p> <p>Information about storage in one common storage facility:</p> | <p>Keep container tightly closed and at a cool place. Use only in well ventilated rooms.</p> <p>Keep away from sources of ignition – do not smoke. While working do not smoke.</p> <p>Store at a cool place.</p> <p>Do not store with oxidizing agents.</p> | | | | | | | | | | | | | | | | | | | | | | |
| <p>8.) <u>Exposure controls and personal protection</u></p> <p>8.1) <u>Additional information about design of technical systems:</u></p> <p>8.2) <u>Personal protective equipment:</u></p> <p>8.3) <u>Additional information:</u> Personal protective equipment: General protective and hygienic measures: Breathing protection: Protection of hands: Protection of eyes: Body protection:</p> | <p>no</p> <table border="1"> <thead> <tr> <th>CAS-Nr.</th> <th>Description</th> <th>%</th> <th>Specification</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td rowspan="2">67-63-0</td> <td rowspan="2">Propanol-2</td> <td rowspan="2">10,0- 30,0</td> <td rowspan="2">MAK</td> <td>500</td> <td>mg/m³</td> </tr> <tr> <td>200</td> <td>ml/m³</td> </tr> <tr> <td rowspan="2">64-17-5</td> <td rowspan="2">Ethanol</td> <td rowspan="2">70,0-100,0</td> <td rowspan="2">MAK</td> <td>960</td> <td>mg/m³</td> </tr> <tr> <td>500</td> <td>ml/m³</td> </tr> </tbody> </table> <p>Before eating and after work wash your hands. recommended Safety gloves Safety glasses Suitable protective clothing</p> | CAS-Nr. | Description | % | Specification | Value | Unit | 67-63-0 | Propanol-2 | 10,0- 30,0 | MAK | 500 | mg/m ³ | 200 | ml/m ³ | 64-17-5 | Ethanol | 70,0-100,0 | MAK | 960 | mg/m ³ | 500 | ml/m ³ |
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| | | | | 500 | ml/m ³ | | | | | | | | | | | | | | | | | | |
| <p><u>Personal safety equipment – safety gloves</u></p> | <p>The safety gloves are specified in 89/686/EWG and EN 374.</p> <p>For full contact:</p> <table> <tr> <td>Material:</td> <td>Nitrile</td> </tr> <tr> <td>Thickness:</td> <td>0,4 mm</td> </tr> <tr> <td>Permeation time:</td> <td>>480 minutes</td> </tr> </table> | Material: | Nitrile | Thickness: | 0,4 mm | Permeation time: | >480 minutes | | | | | | | | | | | | | | | | |
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| <p>13.) <u>Disposal considerations</u></p> <p>13.1) <u>Product:</u> Recommendation:</p> <p><u>Uncleaned packaging:</u> Recommended cleaning agent:</p> | <p>Do not empty into drains. Disposal due to Government regulations.</p> <p>Water, if necessary with cleaning agent.</p> |
| <p>14.) <u>Transport information</u></p> <p>14.1) <u>Overland transport ADR/RID:</u></p> <p>ADR/RID–GGVS/E class: Packing group: Hazard index number: UN – Number:</p> <p>14.2) <u>Maritime transport IMDG/GGVSee:</u></p> <p>IMDG/GGV-See–class: UN-Number: Packing group: EMS:</p> <p>14.3) <u>Air-transport ICAO–TI and IATA–DGR:</u></p> <p>ICAO/IATA-class: UN/ID–Number: Packing group:</p> | <p>technical name UN 1993 Flammable liquid, n. o. s., (Propanol-2), 3, II, ADR</p> <p>3 II 33 1993</p> <p>3 1993 II F-E, S-E</p> <p>3 1993 II</p> |
| <p>15.) <u>Regulatory information</u></p> <p>15.1) Hazard label:</p> <p>R-Phrases:</p> <p>S-Phrases:</p> <p>15.2) <u>Labelling in accordance to § 7 German Gefahrstoffverordnung</u></p> <p>National regulations: Water hazard class:</p> | <p>F highly flammable, Xi irritant</p> <p>R 11 highly flammable R 36 irritating for eyes R 67 vapours may cause drowsiness and dizziness</p> <p>S 7 keep container tightly closed S 16 keep away from sources of ignition – no smoking S 24/25 avoid contact with skin and eyes S 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>1</p> |
| <p>16.) <u>Other information</u></p> | <p>These information given are up-to-date.</p> |