





EC Material Safety Data Sheet

According to directive 91/155/EWG


Trade name: Fluxi FL 110	Flux Dispenser F-SW 33 DIN ISO 29454 / 2.2.3.A									
1.) <u>Manufacturer / supplier</u> Address:	EDSYN GMBH EUROPA Finkenweg 2 D 97892 Kreuzwertheim Tel. 09342 - 6413 Fax: 09342 - 6417									
2.) <u>Hazard identification</u> 2.1) Symbol 2.2) R -phrases:	Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC Symbol:  F F highly flammable									
3.) <u>Composition / information of ingredients:</u> 3.1) <u>Name:</u> <u>Symbol:</u> <u>R-phrases:</u> <u>EC N°:</u> <u>REACH:</u> 3.2) <u>Materials:</u> Denaturated Ethylalcohol Organic Additives	FL110 F R11 All components are EINECS listed All components are pre-registered according to REACH <table border="1" data-bbox="730 1406 1366 1496"> <thead> <tr> <th><u>CAS N°</u></th> <th><u>% Range</u></th> <th><u>Classification</u></th> </tr> </thead> <tbody> <tr> <td>64-17-5</td> <td>86 – 90%</td> <td>R11</td> </tr> <tr> <td></td> <td>10 – 14%</td> <td>R36</td> </tr> </tbody> </table> All other information is strict confidential and will only be given on request of a doctor or a medical department who is obligated to a total confidentiality .	<u>CAS N°</u>	<u>% Range</u>	<u>Classification</u>	64-17-5	86 – 90%	R11		10 – 14%	R36
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4.) <u>FIRST AID MEASURES</u> 4.1) In case of inhalation: 4.2) In case of skin contact: 4.3) In case of eye contact: 4.4) In case of ingestion:	Bring the person into fresh air, if necessary provide oxygen mask to assist recovery Wash the affected area with soap and water. Flush with copious amounts of water, call physician. Wash out mouth with water. Do not induce vomiting, call physician									
5.) <u>Fire fighting measures</u> 5.1) Suitable extinguishing media:	CO ₂ , water, dry chemicals, in case of a big fire use a jet of water or an alcohol-proof foam									

<p>5.2) Protection of fire-fighters:</p> <p>5.3) Fire & explosion hazards:</p> <p>5.4) Special protective equipment for a fire:</p> <p>5.5) Flash point:</p>	<p>A SCBA mask is recommended when entering the fire area</p> <p>The product is classified as F inflammable. Keep away from sources of ignition.</p> <p>Wear a respiratory mask.</p> <p>+ 13°C</p>
<p>6.) <u>Accidental release measures</u></p> <p>6.1) Personal protection: (Emergency response)</p> <p>6.2) Handling the product:</p> <p>6.3) Environmental precautions:</p> <p>6.4) Methods for cleaning up:</p>	<p>Gloves - Protective goggles - Protective clothing - Heat/fire exposure: compressed air/oxygen apparatus - Large spills/in enclosed spaces: compressed air apparatus - See "Material-Handling" to select protective clothing.</p> <div style="text-align: center;">  </div> <p>Comply with the legal requirements - Work under local exhaust/ventilation - Remove contaminated clothing immediately - Keep container tightly closed - Keep away from ignition sources/sparks - Do not discharge the waste into the drain</p> <p>Do not allow spill to spread to sewer or ground. Wash area thoroughly .</p> <p>Scrape up spill. Wipe with rags. Dispose of waste rags in plastic container. Ensure spills are completely cleaned up since this product will dry by evaporation</p>
<p>7.) <u>Handling and storage</u></p> <p>7.1) <u>Handling:</u> Technical measure:</p> <p>Precautions for safe handling:</p> <p>7.2) <u>Storage:</u> Technical measures:</p> <p>Maximal storage time:</p> <p>Storage temperature:</p> <p>LGK Storage class:</p> <p>VFB class:</p>	<p>A good ventilation in the working area is recommended. Keep the container tightly closed. Store at 5°C-35°C. Keep away from direct sunlight. Keep away from sources of ignition. Avoid prolonged breathing of vapours.</p> <p>General ventilation should be provided</p> <p>Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Keep away from direct sunlight. No smoking.</p> <p>1 year 5 – 35°C LGK 3A</p> <p>B</p>
<p>8.) <u>Exposure controls/Personal protection</u></p> <p>8.1) Exposure information</p> <p>8.2) Respiratory protection:</p>	<p>Threshold limit values (MAC) 928 ppm</p> <p>Work under local exhaust/ventilation</p>



<p>8.3) Handling the product:</p> <p>8.4) Personal protection (Material-Handling):</p>	<p>Comply with the legal requirements. Work under local exhaust/ventilation. Remove contaminated clothing immediately. Keep container tightly closed. Keep away from ignition sources/sparks. Do not discharge the waste into the drain</p> <p>Gloves Protective goggles Protective clothing</p> <div style="text-align: center;"> </div>
<p>9.) <u>Physical and chemical properties</u></p> <p>9.1) <u>Appearance:</u> Physical state: Colour: Odour:</p> <p>9.2) <u>Important health, safety and environmental information:</u></p> <p>Ph pure flux: pH (5% aq. solution): Boiling point/range: Flashpoint: Explosive limits (vol %): Boiling point: Relative density: Solubility in water: Auto-ignition temperature: Relative evapor. rate comp. to ether:</p>	<p>liquid Light yellow Aliphatic alcohol</p> <p>4,5 3 64°C-78°C 13 °C 3.3/19.0 vol % 78 °C 0,840 - 0,860 g/ml Partially soluble 370 °C 8,3</p>
<p>10.) <u>Stability and reactivity</u></p> <p>10.1) Stability: 10.2) Hazardous reactions: 10.3) Conditions to avoid: 10.4) Materials to avoid: 10.5) Hazardous decomposition products:</p>	<p>Stable. Oxidising & reducing agents Excessive heat, strong light May react with oxidising & reducing agents. Burning can produce smoke, carbon monoxide.</p>
<p>11.) <u>Toxicological information</u></p> <p>11.1) General toxicity:</p> <p>11.2) Toxicity hazard:</p> <p>11.3) Symptoms/injuries after skin contact:</p>	<p>CHRONIC TOXICITY Not classifiable as a human carcinogen. No terratogenic risk at exposure level lower than MAK value. Not listed in mutagenicity class (EC,MAK) Vapours may cause drowsiness and dizziness</p> <p>DIRECT TOXICITY HAZARD Anesthetic in high concentrations Irritating</p> <p>Slight irritation</p>



11.4) Symptoms/injuries after eye contact:	Liquid splashes in the eye may cause slight irritation
12.) <u>Ecological information</u> WGK: WGK remark:	1 Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005
13.) <u>Disposal considerations</u> 13.1) <u>Product:</u> 13.2) <u>Packaging:</u> 13.3) <u>EURAL:</u>	Recommendation: Must be disposed as a chemical disposal. The disposal must be carried out according to the Federal State and Local Regulations. Recommendation : Disposal must be done according to official regulations 14 06 03* - other solvents and solvent mixtures 15 01 10* - packaging containing residues of or contaminated by dangerous substances
14.) <u>Transport information</u> 14.1) <u>Land transport:</u> <u>Rail / road (RID/ADR)</u> ADR name: ADR division: : Hazard Label (s): Danger number: Substance Ident.Number (UN number): 14.2) <u>Sea transport (IMO/IMDG):</u> Proper Shipping Name: Class: Hazard Label (s): UN number: Packaging Group: EmS number 14.3) <u>Air transport (ICAO/IATA):</u> UN number: Proper Shipping Name: Class: Hazard Label (s): Packaging Group: ADR danger labels:	UN 1170 Ethanol (Ethyl alcohol), 3, II. 3, II 3 33 1170 UN 1170 Ethanol (Ethyl alcohol) class 3, PG II, (+12°C)No EMS: F-E/S-E 3 3 1170 II F-E, S-D 1170 Ethanol 3 Flammable liquid II 3 
15.) <u>Regulatory information / EU-Regulations</u>	

