




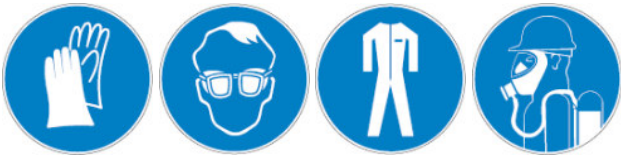
## EC Material Safety Data Sheet

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>	Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC										
2.1) Symbol	Symbol:  F										
2.2) R-phrases:	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>	FL110 F R11 All components are EINECS listed All components are pre-registered according to REACH										
3.2) <u>Materials:</u> Denaturated Ethylalcohol Organic Additives	<table border="0"> <thead> <tr> <th>CAS N°</th> <th>% Range</th> <th>Classification</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> <p>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 .</p>		CAS N°	% Range	Classification	64-17-5	86 – 90%	R11		10 – 14%	R36
CAS N°	% Range	Classification									
64-17-5	86 – 90%	R11									
	10 – 14%	R36									
4.) <u>FIRST AID MEASURES</u>											
4.1) In case of inhalation:	Bring the person into fresh air, if necessary provide oxygen mask to assist recovery										
4.2) In case of skin contact:	Wash the affected area with soap and water.										
4.3) In case of eye contact:	Flush with copious amounts of water, call physician.										
4.4) In case of ingestion:	Wash out mouth with water. Do not induce vomiting, call physician										
5.) <u>Fire fighting measures</u>											
5.1) Suitable extinguishing media:	CO <sub>2</sub> , water, dry chemicals, in case of a big fire use a jet of water or an alcohol-proof foam										



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<p>5.2) <b>Protection of fire-fighters:</b></p> <p>5.3) <b>Fire &amp; explosion hazards:</b></p> <p>5.4) <b>Special protective equipment for a fire:</b></p> <p>5.5) <b>Flash point:</b></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.) <b><u>Accidental release measures</u></b></p> <p>6.1) <b>Personal protection: (Emergency response)</b></p> <p>6.2) <b>Handling the product:</b></p> <p>6.3) <b>Environmental precautions:</b></p> <p>6.4) <b>Methods for cleaning up:</b></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.) <b><u>Handling and storage</u></b></p> <p>7.1) <b><u>Handling:</u> Technical measure:</b></p> <p><b>Precautions for safe handling:</b></p> <p>7.2) <b><u>Storage:</u> Technical measures:</b></p> <p><b>Maximal storage time:</b></p> <p><b>Storage temperature:</b></p> <p><b>LGK Storage class:</b></p> <p><b>VFB class:</b></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.) <b><u>Exposure controls/Personal protection</u></b></p> <p>8.1) <b>Exposure information</b></p>	<p>Threshold limit values (MAC) 928 ppm</p>




<p><b>8.2) Respiratory protection:</b></p> <p><b>8.3) Handling the product:</b></p> <p><b>8.4) Personal protection (Material-Handling):</b></p>	<p>Work under local exhaust/ventilation</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><b>9.) <u>Physical and chemical properties</u></b></p> <p><b>9.1) <u>Appearance:</u></b> Physical state: Colour: Odour:</p> <p><b>9.2) <u>Important health, safety and environmental information:</u></b></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><b>10.) <u>Stability and reactivity</u></b></p> <p><b>10.1) Stability:</b> <b>10.2) Hazardous reactions:</b> <b>10.3) Conditions to avoid:</b> <b>10.4) Materials to avoid:</b> <b>10.5) Hazardous decomposition products:</b></p>	<p>Stable. Oxidising &amp; reducing agents Excessive heat, strong light May react with oxidising &amp; reducing agents. Burning can produce smoke, carbon monoxide.</p>
<p><b>11.) <u>Toxicological information</u></b></p> <p><b>11.1) General toxicity:</b></p> <p><b>11.2) Toxicity hazard:</b></p>	<p>CHRONIC TOXICITY Not classifiable as a human carcinogen. No teratogenic 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>



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<p>11.3) <b>Symptoms/injuries after skin contact:</b></p> <p>11.4) <b>Symptoms/injuries after eye contact:</b></p>	<p>Slight irritation</p> <p>Liquid splashes in the eye may cause slight irritation</p>
<p>12.) <b><u>Ecological information</u></b></p> <p><b>WGK:</b></p> <p><b>WGK remark:</b></p>	<p>1</p> <p>Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005</p>
<p>13.) <b><u>Disposal considerations</u></b></p> <p>13.1) <b><u>Product:</u></b></p> <p>13.2) <b><u>Packaging:</u></b></p> <p>13.3) <b>EURAL:</b></p>	<p>Recommendation:</p> <p>Must be disposed as a chemical disposal. The disposal must be carried out according to the Federal State and Local Regulations.</p> <p>Recommendation :</p> <p>Disposal must be done according to official regulations</p> <p>14 06 03* - other solvents and solvent mixtures</p> <p>15 01 10* - packaging containing residues of or contaminated by dangerous substances</p>
<p>14.) <b><u>Transport information</u></b></p> <p>14.1) <b><u>Land transport:</u></b></p> <p><b><u>Rail / road (RID/ADR)</u></b></p> <p><b>ADR name:</b></p> <p><b>ADR division: :</b></p> <p><b>Hazard Label (s):</b></p> <p><b>Danger number:</b></p> <p><b>Substance Ident.Number (UN number):</b></p> <p>14.2) <b><u>Sea transport (IMO/IMDG):</u></b></p> <p><b>Proper Shipping Name:</b></p> <p><b>Class:</b></p> <p><b>Hazard Label (s):</b></p> <p><b>UN number:</b></p> <p><b>Packaging Group:</b></p> <p><b>EmS number</b></p> <p>14.3) <b><u>Air transport (ICAO/IATA):</u></b></p> <p><b>UN number:</b></p> <p><b>Proper Shipping Name:</b></p> <p><b>Class:</b></p> <p><b>Hazard Label (s):</b></p> <p><b>Packaging Group:</b></p> <p><b>ADR danger labels:</b></p>	<p>UN 1170 Ethanol (Ethyl alcohol), 3, II.</p> <p>3, II</p> <p>3</p> <p>33</p> <p>1170</p> <p>UN 1170 Ethanol (Ethyl alcohol)</p> <p>class 3, PG II, (+12°C)No EMS: F-E/S-E</p> <p>3</p> <p>3</p> <p>1170</p> <p>II</p> <p>F-E, S-D</p> <p>1170</p> <p>Ethanol</p> <p>3</p> <p>Flammable liquid</p> <p>II</p> <p>3</p> <div style="text-align: center;">  </div>



<p><b>15.) <u>Regulatory information / EU-Regulations</u></b></p> <p><b>15.1) Symbol:</b></p>   <p><b>15.2) R-phrases:</b></p>  <p><b>15.3) S-Phrases:</b></p>	<div style="text-align: center;">  </div> <p style="text-align: right;">F</p> <p>F - Highly flammable</p> <p>R 11 highly flammable Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC</p> <p>S7 - Keep container tightly closed S16 - Keep away from sources of ignition - No smoking S24/25 - Avoid contact with skin and eyes S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) S60 - This material and/or its container must be disposed of as hazardous waste</p>
<p><b>16) <u>Other information</u></b></p> <p><b>SDS Version</b> <b>Review date SDS</b></p>	<p>11 10.12.2009</p> <p>The information in this Material Safety Data Sheet (SDS) is believed to be correct as of the date issued. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without such warranty, either expressed or implied.</p>