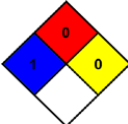




**Material Safety Data Sheet – according to Regulation (EC) No. 453/2010**

<p>Trade name: Fluxi FL 112</p>	<p>Flux Dispenser</p> <p>F-SW 34 DIN ISO 29454 / 2.2.3.A</p>
<p>1.) <b><u>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</u></b></p> <p>1.1.) <b>Manufacturer/Supplier Address:</b></p> <p>1.2.) <b>Product identifier</b> <b>Product form:</b></p> <p>1.3.) <b>Relevant identified uses of the substance or mixture and uses advised against</b></p> <p>1.3.1.) <b>Relevant identified uses</b></p> <p>Main use category Use of the substance/preparation:</p> <p>1.3.2.) <b>Uses advised against</b></p>	<p><b>EDSYN GMBH EUROPA</b> Finkenweg 2 D 97892 Kreuzwertheim</p> <p>Tel. 09342 - 6413 Fax: 09342 - 6417</p> <p>Mixture FL 112 VOC-Free No-Clean rework flux</p> <p>Industrial use Rework flux</p> <p>No additional information available</p>
<p>2.) <b><u>HAZARD IDENTIFICATION</u></b></p> <p>2.1.) <b>Classification of the substance or mixture</b></p> <p><b>Classification according to Regulation (EC) no 1272/2008 (CLP)</b></p> <p><b>Classification according to Directive 67/548/EEC or 1999/45/EC</b></p> <p><b>S-phrases:</b></p> <p><b>Adverse physicochemical, human health and environmental effects</b></p> <p><b>Other information</b></p> <p>NFPA code</p>	<p>Not classified</p> <p>Not classified</p> <p>S24/25 – Avoid contact with skin and eyes</p> <p>No additional information available</p> <p>1-0-0</p> 





<p><b>2.2.) Label elements</b></p> <p><b>Labelling according to Regulation (EC) No. 1272/2008 (CLP)</b></p> <p>Precautionary statements (CLP):</p>	<p><b>P280</b> – Wear protective gloves/protective clothing/eye protection/face protection.  <b>P305+P351+P338</b> – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  <b>P337+P313</b> – If eye irritation persists: Get medical advice/attention.</p>												
<p><b>2.3.) Other hazards</b></p> <p><b>3.) <u>COMPOSITION/INFORMATION ON INGREDIENTS</u></b></p> <p><b>3.1.) Substances</b></p> <p><b>3.2.) Mixtures</b></p> <p><b><u>Dicarboxylic acid</u></b></p> <table border="1" data-bbox="264 1061 1463 1225"> <thead> <tr> <th>Product identifier</th> <th>%</th> <th>Classification according to Directive 67/548/EEC</th> </tr> </thead> <tbody> <tr> <td>(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)</td> <td>1 - 5</td> <td>Xi; R36</td> </tr> </tbody> </table> <table border="1" data-bbox="264 1281 1463 1451"> <thead> <tr> <th>Product identifier</th> <th>%</th> <th>Classification according to Regulation (EC) no 1272/2008 (CLP)</th> </tr> </thead> <tbody> <tr> <td>(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)</td> <td>1 - 5</td> <td>Eye irrit. 2, H319</td> </tr> </tbody> </table> <p>Full text of R-, H- and EUH-phrases: see section 16</p>	Product identifier	%	Classification according to Directive 67/548/EEC	(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)	1 - 5	Xi; R36	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)	(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)	1 - 5	Eye irrit. 2, H319	<p>No additional information available.</p> <p>Not applicable.</p>
Product identifier	%	Classification according to Directive 67/548/EEC											
(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)	1 - 5	Xi; R36											
Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)											
(CAS No) 124-04-9 (EC No) 204-673-3 (EC index No) 607-144-00-9 (REACH No)	1 - 5	Eye irrit. 2, H319											
<p><b>4.) <u>FIRST AID MEASURES</u></b></p> <p><b>4.1.) Description of first aid measures</b></p> <p><b>After skin contact:</b></p> <p><b>After eye contact:</b></p> <p><b>After ingestion:</b></p> <p><b>4.2.) Most important symptoms and effects, both acute and delayed</b></p> <p><b>After skin contact:</b></p> <p><b>After eye contact:</b></p>	<p>Rinse with water. Soap may be used. Wash the exposed area with soap and water.</p> <p>Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists. Flush with copious amounts of water, call physician.</p> <p>Do not induce vomiting. Consult a doctor/medical service if you feel unwell. Do not induce vomiting, call physician.</p> <p>Slight irritation.</p> <p>Slight irritation of the eye tissue.</p>												



<p><b>4.3.) Indication of any immediate medical attention and special treatment needed</b></p>	<p>No additional information available.</p>
<p><b>5.) <u>FIREFIGHTING MEASURES</u></b></p> <p><b>5.1.) Extinguishing media</b></p> <p><b>5.2.) Special hazards arising from the substance or mixture</b> Fire hazard:</p> <p><b>5.3.) Advice for firefighters</b> Firefighting instructions:</p>	<p>No specific fire fighting instructions required</p> <p>None</p> <p>No specific fire-fighting instructions required.</p>
<p><b>6.) <u>ACCIDENTAL RELEASE MEASURES</u></b></p> <p><b>6.1.) Personal precautions, protective equipment and emergency procedures</b></p> <p><b>For non-emergency personnel:</b></p> <p><b>For emergency responders:</b></p> <p><b>6.2.) Environmental precautions</b></p> <p><b>6.3.) Methods and material for containment and cleaning up</b></p> <p><b>Methods for cleaning up:</b></p> <p><b>6.4.) Reference to other sections</b></p>	<p>No additional information available.</p> <p>No additional information available.</p> <p>Do not discharge into drains or the environment.</p> <p>Clean contaminated surfaces with an excess of water. Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.</p> <p>No additional information available.</p>
<p><b>7.) <u>HANDLING AND STORAGE</u></b></p> <p><b>7.1.) Precautions for safe handling</b></p> <p><b>Hygiene measures:</b></p> <p><b>7.2.) Conditions for safe storage, including any incompatibilities</b></p> <p><b>Storage conditions:</b></p> <p><b>Maximum storage period:</b></p> <p><b>Storage temperature:</b></p> <p><b>Storage area:</b></p> <p><b>Packaging materials:</b></p>	<p>Observe normal hygiene standards.</p> <p>Always wash hands and face immediately after handling this product, and once again before leaving the workplace.</p> <p>Store in original container at ambient temperatures .</p> <p>1 year.</p> <p>5 – 30°C</p> <p>Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight.</p> <p>Recommended materials by supplier.</p>



<p>7.3.) <b>Specific end use(s)</b></p> <p><b>REACH DISCLAIMER:</b></p>	<p>This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).</p>
<p>8.) <b><u>EXPOSURE CONTROLS/PERSONAL PROTECTION</u></b></p> <p>8.1.) <b>Control parameters</b></p> <p>8.2.) <b>Exposure controls</b></p> <p><b>Personal protective equipment:</b></p>   <p><b>Hand protection:</b></p> <p><b>Eye protection:</b></p> <p><b>Respiratory protection:</b></p>	<p>No data available.</p> <p>Gloves, Safety glasses.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Wear suitable gloves. Natural rubber gloves</p> <p>Safety glasses.</p> <p>Work under local exhaust/ventilation</p>
<p>9.) <b><u>PHYSICAL AND CHEMICAL PROPERTIES</u></b></p> <p>9.1.) <b>Information on basic physical and chemical properties</b></p> <p><b>Physical state:</b></p> <p><b>Appearance:</b></p> <p><b>Colour:</b></p> <p><b>Odour:</b></p> <p><b>Odour threshold:</b></p> <p><b>pH:</b></p> <p><b>Melting point:</b></p> <p><b>Freezing point:</b></p> <p><b>Boiling point:</b></p> <p><b>Flash point:</b></p> <p><b>Relative evaporation rate (butylacetate=1)</b></p> <p><b>Flammability (solid, gas)</b></p> <p><b>Explosive limits (vol %):</b></p> <p><b>Explosive limits (g/m³):</b></p> <p><b>Vapour pressure:</b></p> <p><b>Relative vapour density at 20 °C :</b></p> <p><b>Relative density:</b></p> <p><b>Solubility in water:</b></p> <p><b>Log Pow:</b></p> <p><b>Log Kow:</b></p> <p><b>Self ignition temperature:</b></p> <p><b>Decomposition temperature:</b></p> <p><b>Viscosity, kinematic:</b></p>	<p>Liquid.</p> <p>Liquid.</p> <p>Colourless.</p> <p>Mild odour.</p> <p>No data available.</p> <p>3</p> <p>Not applicable.</p> <p>No data available.</p> <p>&gt; 100 °C</p> <p>None</p> <p>No data available.</p> <p>No data available.</p> <p>None</p> <p>None</p> <p>No data available.</p> <p>No data available.</p> <p>0.99 – 1.01 g/ml</p> <p>Completely soluble.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>No applicable.</p> <p>No data available.</p> <p>No data available.</p>



<p><b>Viscosity, dynamic:</b> <b>Explosive properties:</b> <b>Oxidising properties:</b></p> <p><b>9.2.) Other information</b> <b>VOC content:</b></p>	<p>No data available. No data available. No data available.</p> <p>0%</p>
<p><b>10.) <u>STABILITY AND REACTIVITY</u></b></p> <p><b>10.1.) Reactivity</b></p> <p><b>10.2.) Chemical stability</b></p> <p><b>10.3.) Possibility of hazardous reactions</b></p> <p><b>10.4.) Conditions to avoid</b></p> <p><b>10.5.) Incompatible materials</b></p> <p><b>10.6.) Hazardous decomposition products</b></p>	<p>No additional information available.</p> <p>No additional information available.</p> <p>No additional information available.</p> <p>Keep away from heat and direct sunlight. Strong light</p> <p>Do not mix with oxidizing agents.</p> <p>None.</p>
<p><b>11.) <u>TOXICOLOGICAL INFORMATION</u></b></p> <p><b>11.1.) Information on toxicological effects</b></p> <p><b>Acute toxicity:</b></p> <p><b>Skin corrosion/irritation:</b></p> <p><b>Serious eye damage/irritation:</b></p> <p><b>Respiratory or skin sensitisation:</b></p> <p><b>Germ cell mutagenicity:</b></p> <p><b>Carcinogenicity:</b></p> <p><b>Reproductive toxicity:</b></p> <p><b>Specific target organ toxicity (single exposure):</b></p> <p><b>Specific target organ toxicity (repeated exposure):</b></p> <p><b>Aspiration hazard:</b></p>	<p>Not classified.</p> <p>Not classified pH:3</p> <p>Not classified. pH:3</p> <p>Not classified.</p> <p>Not classified.</p> <p>Not classified.</p> <p>Not classified.</p> <p>Not classified.</p> <p>Not classified.</p> <p>Not classified.</p>
<p><b>12.) <u>ECOLOGICAL INFORMATION</u></b></p> <p><b>12.1.) Toxicity</b></p> <p>Ecology – general:</p> <p><b>12.2.) Persistence and degradability</b> <b>FL112 VOC-Free No-Clean rework flux</b></p>	<p>Do not discharge into drains or the environment. May be discharged to wastewater treatment installation.</p> <p>Readily biodegradable in water.</p>



24.03.2021

<p><b>12.3.) Bioaccumulative potential</b></p> <p><b>12.4.) Mobility in soil</b> <b>FL112 VOC-Free No-Clean rework flux</b></p> <p>Ecology – soil:</p> <p><b>12.5.) Results of PBT and vPvB assessment</b></p> <p><b>12.6.) Other adverse effects</b></p>	<p>No data available.</p> <p>According to literature, easily degradable in the soil.</p> <p>No additional information available.</p> <p>No additional information available.</p>								
<p><b>13.) <u>DISPOSAL CONSIDERATIONS</u></b></p> <p><b>13.1.) Waste treatment methods</b></p> <p><b>Waste disposal recommendations:</b></p> <p><b>Ecology – waste materials:</b></p>	<p>Do not discharge into drains or the environment.</p> <p>Do not discharge into surface water. May be discharged to wastewater treatment installation.</p>								
<p><b>14.) <u>TRANSPORT INFORMATION</u></b></p>	<p>No dangerous good in sense of transport regulations. Additional rules to be obtained at EDSYN GMBH EUROPA.</p> <p><b>Remark:</b> Above mentioned regulations are in force at the moment of publication of this (SDS) safety data sheet. With reference to possible modifications in transport regulations of dangerous goods, we advise you to verify its validity at EDSYN GMBH EUROPA.</p>								
<p><b>15.) <u>REGULATORY INFORMATION</u></b></p> <p><b>15.1.) Safety, health and environmental regulations/legislation specific for the substance or mixture</b></p> <p><b><u>EU Regulations</u></b> VOC content: EURLW code:</p> <p><b><u>National regulations</u></b> Water hazard class (WGK): WGK remark:  Storage class (LGK):</p> <p><b>15.2.) Chemical safety assessment</b></p>	<p>Contains no REACH candidate substance 0% 16 10 02</p> <p>nwg – Non-hazardous to water Classification in compliance with Administrative Regulation water polluting substance 17 May 1999 LGK 12 – Non-flammable liquids in non-flammable packages.</p> <p>No additional information available.</p>								
<p><b>16.) <u>OTHER INFORMATION</u></b></p> <p>Intrastat code:</p> <p><b>Full text of R-, H- and EUH-phrases:</b></p>	<p>3402 13 00</p> <table border="1" data-bbox="730 1912 1528 2029"> <tr> <td>Eye Irrit. 2</td> <td>Serious eye damage/eye irritation Category 2</td> </tr> <tr> <td>H319</td> <td>Causes serious eye irritation</td> </tr> <tr> <td>R36</td> <td>Irritating to eyes</td> </tr> <tr> <td>Xi</td> <td>Irritant</td> </tr> </table>	Eye Irrit. 2	Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation	R36	Irritating to eyes	Xi	Irritant
Eye Irrit. 2	Serious eye damage/eye irritation Category 2								
H319	Causes serious eye irritation								
R36	Irritating to eyes								
Xi	Irritant								



24.03.2021

<b>16.1.) Revision date:</b>	21.10.2013 / 12.05.2015 / 25.11.2015
<b>Version:</b>	3.1/ED

### **SDS EU (REACH Annex II)**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### **DISCLAIMER**

The information in this 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.