



27. Juli 2011

EC Material Safety Data Sheet

according to directive 91/155/EWG

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, Xi irritant R 11 highly flammable R 36 irritating to eyes R 67 vapours may cause drowsiness and dizziness	
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:	CO ₂ , powder or alcohol-resist foam. Poisonous carbon oxides can result.	
6.) <u>Accidental release measures</u> Person-related safety precautions:	Use safety-clothes and compressed air from tanks. Use protective clothing. Avoid unprotected persons.	

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<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>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>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>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>no</p>																		
<p>8.2) <u>Personal protective equipment:</u></p>	<table><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>67-63-0</td><td>Propanol-2</td><td>10,0- 30,0</td><td>MAK</td><td>500 200</td><td>mg/m³ ml/m³</td></tr><tr><td>64-17-5</td><td>Ethanol</td><td>70,0-100,0</td><td>MAK</td><td>960 500</td><td>mg/m³ ml/m³</td></tr></tbody></table>	CAS-Nr.	Description	%	Specification	Value	Unit	67-63-0	Propanol-2	10,0- 30,0	MAK	500 200	mg/m ³ ml/m ³	64-17-5	Ethanol	70,0-100,0	MAK	960 500	mg/m ³ ml/m ³
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<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>Before eating and after work wash your hands. recommended Safety gloves Safety glasses Suitable protective clothing</p>																		
<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: Material: Nitrile Thickness: 0,4 mm Permeation time: >480 minutes</p>																		

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	<p>For splattering:</p> <p>Material: Chloroprene Thickness: 0,65 mm Permeation time: >120 minutes</p> <p>To avoid skin problems use the safety-gloves only if necessary.</p> <p>Check the safety-gloves before use.</p> <p>We recommend hand creme for skin protection.</p> <p>More info: www.kcl.de www.anselleurope.de</p> <p>Department issuing data specification sheet: Laboratory</p>												
9.) <u>Physical and chemical properties</u>													
9.1) Form: Colour: Odour:	liquid clear to yellowish mild alcoholic												
9.2) <u>Change in condition:</u> Boiling point: Flash point: Ignition temperature:	<table><thead><tr><th></th><th>Value / Range</th><th>Unit</th></tr></thead><tbody><tr><td>Boiling point:</td><td>80</td><td>°C</td></tr><tr><td>Flash point:</td><td>12</td><td>°C</td></tr><tr><td>Ignition temperature:</td><td>approx. 420</td><td>°C</td></tr></tbody></table>		Value / Range	Unit	Boiling point:	80	°C	Flash point:	12	°C	Ignition temperature:	approx. 420	°C
	Value / Range	Unit											
Boiling point:	80	°C											
Flash point:	12	°C											
Ignition temperature:	approx. 420	°C											
Danger of explosion:	The product is not explosive, but dangerous fume / air mixtures can result.												
Explosion limits:	between 1,5 Vol. %												
Vapour pressure:	and 12,0 Vol. %												
Density:	at 20 °C 40 mbar												
Solubility in water:	at 20 °C approx. 0,8 g/ml												
	at 20 °C 780 g/l												
	solvents totally, resin none												
10.) <u>Stability and reactivity</u>													
Conditions to be avoided: Dangerous reactions: Dangerous products of decomposition:	no decomposition by normal handling with strong oxidizing agents												
	see point 5.												
11.) <u>Toxicological information</u>													
Acute Toxicity: Primary irritant effect:	on the skin: irritant on the eye: irritant												
Sensitization:	no												
12.) <u>Ecological information</u>													
General note:	German water pollution class 1												

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13.) Disposal considerations	
13.1) Product: Recommendation:	Do not empty into drains. Disposal due to Government regulations.
Uncleaned packaging: Recommended cleaning agent:	Water, if necessary with cleaning agent.
14.) Transport information	
14.1) Overland transport ADR/RID: ADR/RID-GGVS/E class: Packing group: Hazard index number: UN – Number:	technical name UN 1993 Flammable liquid, n. o. s., (Propanol-2), 3, II, ADR 3 II 33 1993
14.2) Maritime transport IMDG/GGVSee: IMDG/GGV-See-class: UN-Number: Packing group: EMS:	3 1993 II F-E, S-E
14.3) Air-transport ICAO-TI and IATA-DGR: ICAO/IATA-class: UN/ID-Number: Packing group:	3 1993 II
15.) Regulatory information	
15.1) Hazard label: R-Phrases: S-Phrases:	F highly flammable, Xi irritant R 11 highly flammable R 36 irritating for eyes R 67 vapours may cause drowsiness and dizziness 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
15.2) Labelling in accordance to § 7 German Gefahrstoffverordnung National regulations: Water hazard class:	1
16.) Other information	These information given are up-to-date.