



27. Oktober 2011

EC Material Safety Data Sheet

According to directive 91/155/EWG

Trade name: Fluxi FL 88 LF	Flux Dispenser F-SW 33 DIN EN 29454 / 1.2.3.A Solid content: 2,5%
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> Hazards statements: Special dangers to human and environment:	F highly flammable Xi irritant R 11 highly flammable R 36 irritating to eyes R 67 vapours may cause drowsiness and dizziness
3.) <u>Composition / information of ingredients</u> Chemical characterization: Hazardous ingredients:	Preparation of alcohol Ethanol Index-Nr. 603-002-00-5 CAS-Nr. 64-17-5 EG-Nr. 200-578-6 share: 10-30% classification: F; R11 2-Propanol Index-Nr. 603-117-00-0 CAS-Nr. 67-63-0 EG-Nr. 200-661-7 share: 70-100% classification: F; R11; Xi; R36, 67 Carbon acids Index-Nr. 607-144-00-9 CAS-Nr. 124-04-9 EG-Nr. 204-673-3 share: 1-5% classification: Xi; R36 text of R-phrases: refer to chapter 2 and 16
4.) <u>FIRST AID MEASURES</u> General information: In case of inhalation: In case of skin contact: In case of eye contact: In case of ingestion: Information to physician:	Change contaminated, saturated clothing. Bring to fresh air, consult a physician. Wash off with water and soap. Apply liniment before and after work. Rinse with eye-bath or plenty of water. In case of persisting irritation contact physician. Rinse mouth thoroughly with water. Do not induce vomiting. In case of persisting problems contact physician. See chapter no. 3



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5.) <u>Fire fighting measures</u> Suitable extinguishing media: Inexpedient fire-fighting means: Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Special protective equipment fore fire-fighters: Additional information: Fire class:	CO₂, powder or alcohol-resist foam. Water Carbon monoxide and carbon dioxide may result. Safety clothes and compressed air from tanks. - B									
6.) <u>Accidental release measures</u> Personal precautions: Environment precautions: Methods for cleaning up: Additional information:	Do not smoke, fresh air supply, protective equipment, keep unprotected persons away. Do not empty into drains. Take up with suitable binding agent and dispose in accordance with law. -									
7.) <u>Handling and storage</u> 7.1) <u>Handling:</u> Advices on safe handling: Precautions against fire and explosion: Additional information: 7.2) <u>Storage:</u> Storage conditions: Requirements for storage rooms: Storage class VCI: Specific uses:	Use only in ventilated areas. Close container tightly after use. Avoid eye contact. Keep away from ignition sources. Do not smoke. Measures against electrostatic loading are to be kept. Provide earth connection. Store at a cool place (10-20°C). Keep storage containers tightly closed. - See chapter no. 1									
8.) <u>Exposure controls/Personal protection</u> 8.1) <u>Components with occupational exposure limits:</u>	<table><tr><th>Substance</th><th>CAS-No.</th><th>Limits</th></tr><tr><td>Ethanol</td><td>64-17-5</td><td>AGW 960 mg/m³</td></tr><tr><td>2-Propanol</td><td>67-63-0</td><td>AGW 500 mg/m³</td></tr></table>	Substance	CAS-No.	Limits	Ethanol	64-17-5	AGW 960 mg/m ³	2-Propanol	67-63-0	AGW 500 mg/m ³
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Ethanol	64-17-5	AGW 960 mg/m ³								
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8.2) <u>Exposure controls:</u> 8.3) <u>Personal protection equipment:</u> Respiratory protection: Hand protection: Eye protection: Protective clothing: General health and safety measures:	none Provide for sufficient airing. Protective liniment according to EN 374 Spray or-squirt-contact: Gloves from Polychloroprene, layer strength 0,65 mm, Breakthrough time > 120 min. of full contact: Nitrile, layer strength 0,4 mm, perforating time > 480 min. To avoid skin problems wear gloves only when necessary. Examine protective gloves before every use. Preventive skin protection by use of skin liniment. Safety glasses Working clothes or protective apron. Minimum hygienic standard is to be observed. Wash hands before breaks and after work AGW: Arbeitsplatz-Grenzwerte, MAK: Maximale Arbeitsplatz- Konzentration AGW: place of work marginal value, MAK: Maximum place of work concentration
9.) <u>Physical and chemical properties</u> 9.1) <u>Appearance:</u> Physical state: Colour: Odour: 9.2) <u>Important health, safety and environmental information:</u> pH: Flash point (°C): Ignition at (°C) Explosiveness: Lower explosion range Vol %: Upper explosion range Vol %: Vapour pressure (20°C) mbar: Density: (20°C) g/ml: Solubility: Water solubility (20°C) g/l: Viscosity: Rate of evaporation: VOC (per unit):%	liquid yellow/clear alcoholic - 12 425 not explosive, but dangerous fume/air-mixtures may result 2 12 - abt. 0,8 - completely n.d. n.d. 95 n.a.: not applicable n.d.: not determined VOC: volatile components
10.) <u>Stability and reactivity</u> Conditions to avoid: Materials to avoid: Hazardous decomposition products:	no decomposition by normal handling with strong oxidizing agents chapter 5



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11.) <u>Toxicological information</u> Toxicity tests: Experiences made in practice: Other observations: General remarks:	no hazards, other than stated in chapter 15, known irritant effect on the eyes: irritant on the skin: irritant on the respiratory tract: irritant sensitization: none Mutagenity: none on basis of the EG directive Toxicity for reproduction: same as above Degreasing effect on skin None Inhalation of concentrated, vapours and swallowing might lead to headache, drowsiness and unconsciousness
12.) <u>Ecological information</u> Ecotoxicity: Mobility: Persistence and degradability: Bioaccumulative potential: Other adverse effects:	Not applicable Not applicable Not applicable Not applicable Not known
13.) <u>Disposal considerations</u> 13.1) <u>Product:</u> Proposed waste code in accordance with EWC (AVV): 13.2) <u>Packaging:</u> Proposed waste code in accordance with EWC (AVV):	Solvents and solvent-preparations 14 06 03 Plastic packing material / jerricans 15 01 02 The codes stated here, are only recommendations. Local or regional regulations have to be observed.
14.) <u>Transport information</u> UN-Nr.: 14.1) <u>Land ADR/RID/GGVSE:</u> Proper name: Danger release component: Class: Labels: PG: 14.2) <u>Sea IMDG/GGVSee:</u> Proper name: Danger release component: Class: Labels: PG: Marine pollutant:	1993 Flammable liquid, n. o. s., (Propanol-2) LQ 4 3 3 II Flammable liquid, n. o. s., (Propanol-2) 3 3 II No EMS: F-E/S-E



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14.3) <u>Air IATA / DGR:</u> Proper name: Danger release component: Class: Labels: PG:	Flammable liquid, n. o. s., (Propanol-2) 3 3 II
15.) <u>Regulatory information / EU-Regulations</u> 15.1) Hazard symbols and hazard statements: 15.2) Other regulations: R-Phrases: S-Phrases: 15.3) Disturbance Decree (StörfallV, Anh. 1): 15.4) Technical Decree (TA-AIR): 15.5) Water hazard class acc. to VwVwS:	F highly flammable, Xi irritant R 11 highly flammable R 36 irritating to 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 Not subject to Interference V (appendix 1) n.a. (LQ) 1
16.) <u>Other information</u>	The information given is up-to-date. Department issuing data specification sheet: Laboratory