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Material Safety Data Sheet - according to directive 91/155/EWG

INTERNATIONAL STANDARD NORM ISO 11014-1

Trade Name: FL 22	Flux paste FL22	F-SW 33 DIN 29 454 / 1.2.3.A
1.) <u>MANUFACTURER</u> Address:	EDSYN GMBH EUROPA Finkenweg 2 D 97892 Kreuzwertheim Tel.: 09342 - 6413 Fax: 09342 - 6417	
2.) <u>HAZARD IDENTIFICATION</u>		
2.1) Hazards statements:	Xi irritant	
2.2) Special dangers for human and environment:	R 36 irritating to eyes	
3.) <u>COMPOSTITION / INFORMATION ON INGREDIENTS</u>		
3.1) Chemical Characterization:	Preparation	
3.2) Hazardous ingredients:	Adipinacid Index-Nr. 607-144-00-9 CAS-Nr. 124-04-9 EG-Nr. 204-673-3 share: 1-5% classification: Xi; R 36 Synth. Resin Index-Nr. 649-254-00 in Vaseline CAS-Nr. 8009-03-08 EG-Nr. 232-373-2 share: 80-90% classification: -	
4.) <u>FIRST AID MEASURES</u>		
4.1) General information:	Change contaminated, saturated clothing.	
4.2) In case of inhalation:	Bring to fresh air.	
4.3) In case of skin contact:	Wash off with water and soap. Apply liniment before and after work.	
4.4) In case of eye contact:	Rinse with eye-bath or plenty of water. In case of persisting irritation contact physician.	
4.5) In case of ingestion:	Rinse mouth thoroughly with water. Do not induce vomiting. In case of persisting problems contact physician.	
4.6) Information to physician:	See chapter no. 3	
5.) <u>FIRE-FIGHTING MEASURES</u>		
5.1) Suitable extinguishing media:	all, product is not flammable	
5.2) Inexpedient fire-fighting means:	-	
5.3) Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	carbon monoxide may result	



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<p>5.4) Special protective equipment for fire-fighters:</p> <p>5.5) Additional information:</p> <p>5.6) Fire class:</p>	<p>safety clothes and compressed air from tanks</p> <p>-</p> <p>-</p>						
<p>6.) <u>ACCIDENTAL RELEASE MEASURES</u></p> <p>6.1) Personal precautions:</p> <p>6.2) Environment precautions:</p> <p>6.3) Methods for cleaning up:</p> <p>6.4) Additional information:</p>	<p>fresh air supply, protective equipment, keep unprotected persons away</p> <p>do not empty into drains</p> <p>take up with suitable binding agent and dispose in accordance with law</p> <p>-</p>						
<p>7.) <u>HANDLING AND STORAGE</u></p> <p>7.1) Advices on safe handling:</p> <p>7.2) Precautions against fire and explosion:</p> <p>7.3) Additional information:</p> <p>7.4) Storage conditions:</p> <p>7.5) Requirements for storage rooms:</p> <p>7.6) Storage class VCI:</p> <p>7.7) Specific uses:</p>	<p>Use only in ventilated areas. Close container tightly after use. Avoid eye contact.</p> <p>Product is not flammable.</p> <p>-</p> <p>store at a cool place</p> <p>keep storage containers tightly closed</p> <p>-</p> <p>see chapter no. 1</p>						
<p>8.) <u>EXPOSURE CONTROLS / PERSONAL PROTECTION</u></p> <p>8.1) Components with occupational exposure limits:</p> <p>8.2) Exposure controls:</p> <p>8.3) Personal protection equipment:</p> <p>Respiratory protection:</p> <p>Hand protection:</p> <p>Eye protection:</p> <p>Protective clothing:</p>	<table border="1"> <thead> <tr> <th>Substance</th> <th>CAS-No.</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td colspan="3">none</td> </tr> </tbody> </table> <p>provide for sufficient airing</p> <p>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.</p> <p>safety glasses</p> <p>working clothes or protective apron</p>	Substance	CAS-No.	Limits	none		
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<p>General health and safety measures:</p>	<p>minimum hygienic standard is to be observed. Wash hands before breaks and after work</p> <p>AGW: Arbeitsplatz-Grenzwerte MAK: Maximale Arbeitsplatz-Konzentration</p>
<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: Melting point °C: Flammability °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) %:</p>	<p>paste yellow harz</p> <p>- - - - - - - - - 0,9 - - n.d. n.d. -</p> <p>n.a.: not applicable, n.d.: not determined, VOC: volatile components</p>
<p>10.) <u>STABILITY AND REACTIVITY</u></p> <p>10.1) Conditions to avoid:</p> <p>10.2) Materials to avoid:</p> <p>10.3) Hazardous decomposition products:</p>	<p>-</p> <p>strong oxidizing agents</p> <p>no information available. In case of fire: see chapter no. 5</p>
<p>11.) <u>TOXICOLOGICAL INFORMATION</u></p> <p>11.1) Toxicity tests:</p> <p>11.2) Experiences made in practice:</p> <p>11.3) Other observations:</p> <p>11.4) General remarks:</p>	<p>please refer to chapter 15 called ones no tips to danger are irritant effect</p> <p>on the eyes: irritant on the skin: - on the respiratory tract: - Sensitization: none Mutagenity: none on the basis of the EG directive Toxicity for reproduction: same as above</p> <p>- none -</p>
<p>12.) <u>ECOLOGICAL INFORMATION</u></p>	



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<p>12.1) Ecotoxicity:</p> <p>12.2) Mobility:</p> <p>12.3) Persistence and degradability:</p> <p>12.4) Bio accumulative potential:</p> <p>12.5) Other adverse effects:</p>	<p>not applicable</p> <p>not applicable</p> <p>not applicable</p> <p>not applicable</p> <p>-</p>
<p>13.) <u>DISPOSAL CONSIDERATIONS</u></p> <p>13.1) Product: proposed waste code in accordance with EWC (AVV)</p> <p>13.2) Packaging: proposed waste code in accordance with EWC</p>	<p>11 01 99 (AVV)</p> <p>15 01 02 (AVV)</p> <p>The codes stated here, are only recommendations. Local or regional regulations have to be observed.</p>
<p>14.) <u>TRANSPORT INFORMATION</u></p> <p>UN-Nr.:</p> <p>14.1) Land ADR/RID/GGVSE: Proper name: Danger release component: Class: labels: PG:</p> <p>14.2) See IMDG/GGVSee: Proper name: Danger release component: Class: labels: Marine pollutant: EmS:</p> <p>14.3) Luft IATA/DGR: Proper name: Danger release component: Class: labels: PG:</p>	<p>-</p>
<p>15.) <u>REGULATORY INFORMATION / EU-REGULATIONS</u></p>	



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<p>15.1) Hazard symbols and hazard statements:</p> <p>15.2) Other regulations:</p> <p>R-phrases:</p> <p>S-phrases:</p> <p>15.3) Disturbance Decree (StörfallV, Anh.I):</p> <p>15.4) Technical Decree (TA-AIR):</p> <p>15.5) Water hazard class acc. to VwVwS:</p>	<p>Xi Irritant</p> <p>R 36 irritating to eyes</p> <p>S 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p> <p>not subject to StörfallV</p> <p>-</p> <p>1</p>
<p>16.) <u>OTHER INFORMATION</u></p> <p>16.1) Relevant R-phrases (Number and full text):</p> <p>16.2) Recommended restrictions of use:</p> <p>16.3) Revised on:</p> <p>16.4) Essential revisions – see chapter:</p> <p>16.5) Abbreviations:</p>	<p>see chapter 2 and 15</p> <p>For industrial purposes only</p> <p>18.06.2012</p> <p>none</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists</p> <p>ADR: Accord Européen relatif au Transport international des Marchandises Dangereuses par Route</p> <p>CAS: Chemical Abstract Services</p> <p>EmS: Emergency Schedule</p> <p>GGVSE: Gefahrgutverordnung Straße und Eisenbahn</p> <p>GGVSee: dto. See</p> <p>IATA-DGR: Intern. Air Transport Association - Dangerous Goods Regulation</p> <p>IMDG-Code: Intern. Maritime Dangerous Goods Code (limited quantity)</p> <p>LQ: (limited quantity)</p> <p>MFAG: Medical First Aid Guide</p> <p>N.O.S.: not otherwise specified</p> <p>TRGS: Techn. Regeln für Gefahrstoffe</p> <p>UN-Nr.: (United Nations Number): Von den Vereinten Nationen den gefährlichen Gütern zugeordnete Nummer</p> <p>VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe</p> <p>The above information describes exclusively the safety requirements if the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.</p>