



20. Januar 2011

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

INTERNATIONAL STANDARD NORM ISO 11014-1

Trade Name: FL22R	Flux gel F-SW 26 NF EN 29 454.1 1.1.2
1.) <u>Manufacturer:</u> Address:	EDSYN GMBH EUROPA Finkenweg 2 D 97892 Kreuzwertheim Tel.: 09342 - 6413 Fax: 09342 - 6417
2.) <u>COMPOSITION / DATA OF COMPONENTS</u> 2.1 Singular composition:	Solder pastes are a mixture of metal powder alloy with a flux based on resin with activators and thixotropic agents. Colophony derivatives 30 – 45 %/weight Solvents – mixture 60 – 75 %/weight Surfactant – mixture 1,0 – 2 %/weight Thixotropic agents –mixture 0,5 – 4 %/weight
3.) <u>POSSIBLE DANGERS</u> 3.1 R 36/38 3.2 R 42/43	Irritating skin and eyes Sensitisation through inhalation and contact with skin
4.) <u>FIRST AID MEASURES</u> 4.1 General Notice 4.2 After inhalation of solder fumes: 4.3 After contact with skin: 4.4 After contact with eyes: 4.5 If swallowed:	Polluted or wetted clothes should be taken off immediately bring to fresh air and eventually bring to medical care wash away with warm water and soap immediately, if irritation stays consult a doctor wash out with much water for at least 15 min, consult a doctor At diseases like e.g. nausea flush mouth with lots of water. Drink a lot of water (Thinning). Consult a doctor
5.) <u>MEASURES OF FIRE-FIGHTING:</u> 5.1 Adequate extinguishing material: 5.2 Inadequate extinguishing material: 5.3 Special safety equipment:	Foam, powder, CO ₂ . Water In case of fire wear an respiration protection and chemical safety suit.
6.) <u>MEASURES AT LEAKING OUT</u> 6.1 Environmental measures: 6.2 Procedures for cleaning:	Avoid getting into water or drinking water. Keep off ignition sources. Defect jars have to be taken away immediately and made tight. Sought in with liquid soaking material (e.g. sand). Mechanical collection with a proper machine and in adequate container.
7.) <u>HANDLING AND STORAGE</u> 7.1 Handling 7.1.1 Measures for safety handling: 7.1.2 Personal protective equipment: 7.1.3 Using advices:	Close the container after use. Protect from heat open fire and sunlight Special fire or explosion safety: No special measures necessary. Take care of a sufficient suction/deaeration at the working place or the working machines.



<p>7.2 Storage: 7.2.1 Conditions of storage:</p>	<p>Keep the container closed tightly in a cool, dry and well ventilated.</p>
<p>8.) <u>EXPOSITION AND PERSONAL SAFETY EQUIPMENT</u></p> <p>8.1 Occupational exposure standards:</p> <p>8.2 Personal protection: Inhalation protection: Hand protection: Eye protection: Body protection:</p>	<p>Of principle a sufficient ventilation is foreseen at all works.</p> <p>Not necessary if sufficient ventilation is installed Gloves (Rubber, Latex) Safety glasses n.a.</p>
<p>9.) <u>PHYSICAL AND CHEMICAL PROPERTIES</u></p> <p>Form: Colour: Odour:</p> <p>Melting point,area: Boiling point: Flaming point: Ignition temperature Decomposition temperature Explosion danger: Steam pressure at 20°C: Density at 20°C: Solubility in water: Viscosity:</p>	<p>thixotropic paste white or yellow weak</p> <p>n.a. only under high vacuum . >250 °C according to DIN 5175 8 >400 °C. >300 °C n.a. <0.1 hPa 0.93 g/cm³ according to D IN 51757 n.a. ca. 100 c.Pa.s</p>
<p>10.) <u>STABILITY AND REACTIVITY</u></p>	<p>stable under normal conditions</p>
<p>11.) <u>DATA OF TOXICOLOGY</u></p> <p>11.1 Primary irritant action 11.2 Additional Notice</p>	<p>Irritates eyes, skin and mucous membrane At use under normal condition and under compliance of general hygienic rules no harm is caused by the product</p>
<p>12.) <u>DATA OF ECOLOGY</u></p> <p>12.1 Environmental danger:</p>	<p>Environmental danger : Classification through ecological department: Group III. „Material with low danger potential known at this time</p> <p>slowly at minimum 90% biodegradable</p>



20. Januar 2011

<p>13.) <u>NOTICE FOR DISPOSAL</u></p> <p>13.1 Waste key number: 13.2 Uncleaned packages</p> <p>13.3 Recommended cleaning medias 13.4 Additional Notice</p>	<p>Has to be brought to an authorised special waste combustion facility under compliance of special waste regulations according to local department regulations</p> <p>Waste name:14 06 03: Adhesives and rosins Can be burned under compliance of local department regulations. Cleaned packaging material have be conveyed to the local useful material circles. Acetone, Ethanol or 2-propanol (IPA) Notice for Switzerland: Swiss poison class: 3 BAGT-Nr.: 615 063</p>
<p>14.) <u>TRANSPORT REGULATORY RULES</u></p> <p>14.1 Technical name</p>	<p>ADR/RID, GGVS, GGVE, ADN, IMIG, GGV/sea und ICAO/IATA No danger according to above regulations.</p> <p>Flux.</p>
<p>15.) <u>REGULATORY INFORMATIONS</u></p> <p>Marking according to EU measures:</p> <p>R-Sentences:</p> <p>S-Sentences:</p> <p>Working protection regulations</p>	<p>R 36/38 Irritating skin and eyes R 42/43 Sensitization through inhalation and contact with skin</p> <p>S 37/39 Wear appropriate safety gloves and glasses/face protection during work. S 26 Wash out eyes immediately for at least 15 min with water or an eye wash aftercontact. Consult a doctor. S 28 After contact with skin wash with much water and soap. If skin irritation stays,consult a doctor. S 23 Avoid breathing fumes given out (during soldering!) S 2 keep out of reach of children</p> <p>The Health and Safety at Work etc. Act 1974.</p>
<p>16.) <u>OTHER INFORMATION</u></p>	<p>The relevant data sheet is applicable here. The information contained here in is based on data considered accurate and is offered at no charge. Our aim, by providing the above information which reflects the current status of our knowledge and experience is to describe our product in terms of safety requirements. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated. Supplementary copies of this data sheet are available on request.</p>