EDSYN GMBH EUROPA

Zentrum für Löt- und Entlötsysteme

EDSYN GMBH EUROPA, Postfach 1169, D-97888 Kreuzwertheim

12.04.2019

Material Safety Data Sheet - according to Regulation (EC) No. 1907/2006 (REACH)

INTERNATIONAL STANDARD NORM ISO 11014-1

Trade Name: FL 22 P	**Flux paste FL 22 P**	**F-SW 26 REL0** **NF EN 29 454.1/1.2.2.C.**
1.) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1.) Product identifier		
Trade name/designation:	FL 22 P	
1.2.) Relevant identified uses of the substance or mixture and uses advised against		
Use of the substance/mixture:	Processing for soldering. The product is intended for professional use.	
…….Relevant identified uses:		
…….Product Categories (PC)		
…….PC 38:	Welding and soldering products (with flux coatings or flux cores), flux products	
…….Uses advised against:		
…….Sector of uses (SU)		
…….SU 21:	Consumer uses: Private households (= general public = consumers)	
1.3.) Details of the supplier of the safety data sheet		
Supplier (manufacturer/Importer/only representative/downstream user/distributor):		
address:	**EDSYN GMBH EUROPA** Finkenweg 2 Tel.: 09342 - 6413 D 97892 Kreuzwertheim Fax: 09342 - 6417	
1.4.) Emergency telephone number		
2.) HAZARDS IDENTIFICATION		
2.1.) Classification of the substance or mixture		
Classification according to Regulation (EC) No. 1272/2008 [CLP]:	This mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].	
2.2.) Label elements		

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Labelling according to Regulation (EC) No. 1272/2008 [CLP]:	According to EC directives or the corresponding national regulations the product does not have to be labelled.
Hazard statements:	-
Supplemental hazard information (EU):	-
Precautionary statements:	-
2.3.) Other hazards	No data available

3.) COMPOSTITION / INFORMATION ON INGREDIENTS

3.2.) Mixtures

Description: Processing for soldering

Hazardous ingredients/Hazardous impurities/Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 (CLP)	Concentration
CAS-No. 8050-26-8	Flux based on resin **Warning** H317	= 100 Wt-%

Full text of H- and EUH-phrases: see section 16.

4.) FIRST AID MEASURES

4.1.) Description of first aid measures

General information:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.
Following inhalation:	Provide fresh air.
In case of skin contact:	Do not let product dry on skin. Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water. After contact with skin, wash immediately with soap and plenty of water.
After eye contact:	Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion:	Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.
4.2.) Most important symptoms and effects, both acute and delayed	No known symptoms to date.

4.3.) Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
5.) <u>FIREFIGHTING MEASURES</u>	
5.1.) Extinguishing media	
Suitable extinguishing media:	Water spray jet alcohol resistant foam. Extinguishing powder, Carbon dioxide (CO_2).
5.2.) Special hazards arising from the substance or mixture	Combustible
Hazardous combustion products:	In case of fire: Gases/vapours, toxic
5.3.) Advice for firefighters	Wear a self-contained breathing apparatus and chemical protective clothing.
5.4.) Additional information	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
6.) <u>ACCIDENTAL RELEASE MEASURES</u>	
6.1.) Personal precautions, protective equipment and emergency procedures	
6.1.1.) For non-emergency personnel	
Personal precautions:	Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.
Protective equipment:	Wear protective gloves/protective clothing/eye protection/face protection.
6.1.2.) For emergency responders	
Personal protective equipment:	Personal protection equipment: see section 8
6.2.) Environmental precautions	Do not allow to enter into surface water or drains.
6.3.) Methods and material for containment and cleaning up	
For containment:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid-or universal binding agents).
6.4.) Reference to other sections	Safe handling: see section 7 Personal protection equipment: see section 8 *Disposal:* see section 13
6.5.) Additional information	Use appropriate container to avoid environmental contamination.
7.) <u>HANDLING AND STORAGE</u>	
7.1.) Precautions for safe handling	
<u>Protective measures</u>	

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	Advices on safe handling:	Wear personal protection equipment (refer to section 8).
	Fire prevent measures:	Keep away from sources of ignition. – No smoking.
	Advices on general occupational hygiene:	When using do not eat, drink or smoke. Avoid contact with eyes and skin.
7.2.)	**Conditions for safe storage, including any incompatibilities**	
	Technical measures and storage conditions:	Keep container tightly closed in a cool, well-ventilated place.
	Hints on joint storage:	Do not store together with: Food and feeding stuffs.
7.3.)	**Specific end use(s)**	**Recommendation**
		Observe technical data sheet.

8.)	**EXPOSURE CONTROLS / PERSONAL PROTECTION**	
8.1)	**Control parameters**	No data available
8.2)	**Exposure controls**	
8.2.1)	**Appropriate engineering controls**	See section 7. No additional measures necessary.
8.2.2)	**Personal protection equipment**	
	Eye/face protection:	Eye glasses with side protection
	Skin/Hand protection:	Tested protective gloves must be worn DIN EN 374. Suitable material: Breakthrough time (maximum wearing time) min. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.
	Respiratory protection:	If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
8.2.3)	**Environmental exposure controls**	No data available.
8.3.)	**Additional information**	No data available

9.)	**PHYSICAL AND CHEMICAL PROPERTIES**				
9.1.)	**Information on basic physical and chemical properties**				
	Appearance				
	Physical state:	liquid			
	Colour:	brown			
	Odour:	earthy			
	Safety relevant basis data		**at °C**	**Method**	**Remark**
	ph:	6	**20 °C**		
	Melting point / freezing point:	not determined			

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Freezing point:	not determined	
Initial boiling point and boiling range:	150 – 160 °C	
Decomposition temperature (°C):	not determined	
Flash point (°C):	240 °C	
Evaporation rate:	not determined	
Ignition temperature in °C:	not determined	
Upper/lower flammability or explosive limits:	not determined	
Vapour pressure:	not determined	
Vapour density:	not determined	
Densitiy:	0.968 g/cm³	**20 °C**
Bulk density:	not determined	
Water solubility (g/l):		practically insoluble
Partition coefficient: n-octanol/water:	not determined	
Dynamic viscosity:	not determined	
Kinematic viscosity:	not determined	
9.2.) Other information	No data available	
10.) STABILITY AND REACTIVITY		
10.1.) Reactivity	Risk of explosion if heated under confinement. Combustible	
10.2.) Chemical stability	The mixture is chemically stable under recommended conditions of storage, use and temperature.	
10.3.) Possibility of hazardous reactions	Warning! Do not use together with other products. May release dangerous gases (chlorine).	
10.4.) Conditions to avoid	No data available	
10.5.) Incompatible materials	Oxidising agent	
10.6.) Hazardous decomposition products	In case of fire: Gases/vapours, toxic	
11.) TOXICOLOGICAL INFORMATION		
11.1.) Information on toxicological effects	No data available	
12.) ECOLOGICAL INFORMATION		
12.1.) Toxicity	No data available	
12.2.) Persistence and degradability	No data available	
12.3.) Bioaccumulative potential	No data available	
12.4.) Mobility in soil	No data available	
12.5.) Results of PBT and vPvB assessment	No data available	
12.6.) Other adverse effects	No data available	
13.) DISPOSAL CONSIDERATIONS		
13.1.) Waste treatment methods		
13.1.1.) Product/Packaging disposal	Waste codes/waste designations according to EWC/AVV	

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Waste code product:	**11 01 99**
	Wastes from chemical surface treatment and coating of metals and other materials (eg. galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing, anodising): Wastes not otherwise specified
Waste code packaging:	**15 01 02**
	Plastic packaging
Waste treatment options	
Appropriate disposal / Product:	Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.
Appropriate disposal / Package:	Completely emptied packages can be recycled.
13.2.) Additional information	No data available
14.) TRANSPORT INFORMATION	No dangerous good in sense of these transport regulations.
14.1.) UN-No.	not relevant
14.2.) UN proper shipping name	not relevant
14.3.) Transport hazard class(es)	not relevant
14.4.) Packing group)	not relevant
14.5.) Environmental hazards	not relevant
14.6.) Special precautions for user	not relevant
14.7.) Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code	not relevant
15.) REGULATORY INFORMATION	
15.1.) Safety, health and environmental regulations/legislation specific for the substance or mixture	No data available
15.2.) Chemical Safety Assessment	No data available
15.3.) Additional information	No data available
16.) OTHER INFORMATION	
16.1.) Indication of changes	No data available
16.2.) Abbreviations and acronyms	No data available
16.3.) Key literature references and sources for data	No data available
16.4.) Classification for mixtures and used evaluation method according to	

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	regulation (EC) No 1272/2008 [CLP]	
	Classification according to Regulation (EC) No 1272/2008 [CLP]:	This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]
16.5.)	**Relevant R-, H- and EUH-phrases (Number and full text)**	
	Hazard statements:	**H317** May cause an allergic skin reaction.
16.6.)	**Training advice**	No data available
16.7.)	**Additional information**	
	Revision date:	21.11.2013 / 08.08.2014 / 13.10.2015 / 17.03.2016 / 12.04.2016 / 06.07.2016

The above information describes exclusively the safety requirements of 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.