



# C.I.F

## SAFETY DATA SHEET

July 2011

FDS 11.07

### 1. Name of substance / preparation and company

#### Product information

Item name : SOLDER FLUX Ref : BS150

#### Company : CIF

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92227 BAGNEUX Cedex  
Tél : 01.45.47.48.00 – Fax : 01.45.47.16.14  
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### 2. Hazards identification

#### Hazard description:

C Corrosive

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 34 Causes burns.

#### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

### 2. Composition information on ingredients

#### Chemical characterization

**Description:** Mixture of substances listed below with non hazardous additions

Dangerous components:

EINECS: 231-595-7 hydrochloric acid • C, Xi, R 34-37 1-5%

Additional information: For the wording of the listed risk phrases refer to section 16.

### 4. First-aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- Aller skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5. Fire-fighting measures

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam

Protective equipment: No special measures required

### 6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

**Measures** for cleaning/collecting:

Use neutralizing agent

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### 7. Handling and storage

Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

## 8. Exposure controls/Personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

## 9. Physical and chemical properties

Form:	fluid
Colour :	pink
Odour;	Characteristic
Melting point:	Undetermined.
Boiling point:	100°C.
Density :	1.040 g/cm <sup>3</sup>
Vapour pressure:	23.0 hPa
Viscosity:	not applicable
Solubility in waters :	soluble.
pH value :	<2
Flash point :	not applicable
ignition temperature:	not applicable
Explosive limits ;	Product does not present an explosion hazard

## 10. Stability and reactivity

· Thermal decomposition / conditions **to** be avoided: No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known

## 11. Toxicological information

· Acute toxicity:

· Primary irritant effect:

· on the skin: Caustic effect on skin and mucous membranes.

· on the eye: Strong caustic effect.

Sensitization: No sensitizing effects known

· Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach

**12\*. Ecological information**

• General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized

**13\* Disposal consideration**

• Product:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

• Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

Recommended cleansing agents: Water, if necessary together with cleansing agents

**14. Transport information****Land transport ADR/RID (cross-border)**

ADR/RID class: 8 (C3) Corrosive substances

Danger code (Kemler): 80

UN-Number: 3265

Packaging group: III

Hazard label 8

Description of goods: 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (HYDROGEN CHLORIDE)

**Maritime transport IMDG**

IMDG Class: 8

UN Number: 3265

Label 8

Packaging group: III

Marine pollutant: No

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (HYDROGEN CHLORIDE)

**Air transport ICAO-TI and TATA-DGR**

ICAO/IA TA Class: 8

UN/ID Number: 3265

Label 8

Packaging group: III

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (HYDROGEN CHLORIDE)

**\*15. Regulatory information**

• Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

• Code letter and hazard designation of product:

C Corrosive

• Risk phrases:

34 Causes burns.

• Safety phrases:

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

• National regulations:

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water

**\*16. Other information**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirement. The data does not signify any warranty with regard to the products' properties.