

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** Brasure Zinc avec flux incorporé
- **Article number:** 507803
- **Reference Safety data sheet Ref.** 507803-EN-FDS n°321b
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use SU3 Industrial uses:** Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture** Soldering flux
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
GUILBERT EXPRESS  
33, Avenue du Maréchal de Lattre de Tassigny  
94127 FONTENAY SOUS BOIS Cedex  
www.express-fds.fr
- **Further information obtainable from:** info@express.fr
- **1.4 Emergency telephone number:**  
+33/825 800 251  
+33 (0)4 42 94 05 65  
ENGLAND  
National Poisons Information Service :  
- In England and Wales: NHS Direct - 0845 4647 ;  
- In Scotland: NHS 24 - 08454 24 24 24  
IRELAND  
National Poisons Information Centre, 01 8092566 or 01 8379964.

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Aluminum cesium fluoride
- **Hazard statements**  
H318 Causes serious eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.

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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 06.05.2020

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- P102                    *Keep out of reach of children.*  
 P103                    *Read label before use.*  
 P260                    *Do not breathe dust/fume/gas/mist/vapours/spray.*  
 P280                    *Wear eye protection / face protection.*  
 P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
 P310                    *Immediately call a POISON CENTER/doctor/112*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 7440-66-6 EINECS: 231-175-3	zinc powder -zinc dust (pyrophoric) ⚠ Pyr. Sol. 1, H250; Water-react. 1, H260; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	90-95%
CAS: 7429-90-5 EINECS: 231-072-3	aluminium ⚠ Pyr. Sol. 1, H250; Water-react. 2, H261	1.5-2%
CAS: 138577-01-2 ELINCS: 434-690-3	Aluminum cesium fluoride ⚠ STOT RE 2, H373; ⚠ Eye Dam. 1, H318; Aquatic Chronic 3, H412	5-10%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:**

Gaseous extinguishing agents

Foam

Water

Water with full jet

· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

· **5.3 Advice for firefighters**

· **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

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- **6.2 Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:**  
*Do not flush with water or aqueous cleansing agents*
- **6.4 Reference to other sections**  
*See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Keep away from heat and direct sunlight.*
- **Information about fire - and explosion protection:** *Protect against electrostatic charges.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **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.  
Store in cool, dry conditions in well sealed receptacles.*
- **Recommended storage temperature:** *Storage temperature : Room temperature*
- **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

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

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

7429-90-5 aluminium

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
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- **Additional information:** *The lists valid during the making were used as basis.*
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** *Wash hands before breaks and at the end of work.*
- **Respiratory protection:** *Not required.*
- **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:** *Not required.*

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· **Body protection:** *Protective work clothing*

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Solid
Colour:	Grey
Odour:	Odourless

· **pH-value:** *Not applicable.*

##### · Change in condition

Melting point/freezing point:	630-660 °C
Initial boiling point and boiling range:	Undetermined.

· **Flash point:** *Not applicable.*· **Flammability (solid, gas):** *Not determined.*· **Decomposition temperature:** *Not determined.*· **Auto-ignition temperature:** *Product is not selfigniting.*· **Explosive properties:** *Product does not present an explosion hazard.*· **Density:** *Not determined.*· **Solubility in / Miscibility with water:** *Insoluble.*

##### · Solvent content:

Organic solvents:	0.0 %
VOC (EC)	0.00 %

· **Solids content:** *100.0 %*· **9.2 Other information** *No further relevant information available.*

### SECTION 10: Stability and reactivity

· **10.1 Reactivity** *No further relevant information available.*· **10.2 Chemical stability**· **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*· **10.3 Possibility of hazardous reactions** *No dangerous reactions known.*· **10.4 Conditions to avoid** *No further relevant information available.*· **10.5 Incompatible materials:**· *Oxidizing materials*· *Strong Acids*· **10.6 Hazardous decomposition products:** *Irritant gases/vapours*

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

· **Acute toxicity** *Based on available data, the classification criteria are not met.*· **Primary irritant effect:**· **Skin corrosion/irritation** *Based on available data, the classification criteria are not met.*· **Serious eye damage/irritation**· *Causes serious eye damage.*· **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*

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- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **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.

### SECTION 14: Transport information

- |  |   |
|--|---|
| · <b>14.1 UN-Number</b>                  |   |
| · <b>ADR, ADN, IMDG, IATA</b>            | Void  |
| · <b>14.2 UN proper shipping name</b>    |   |
| · <b>ADR</b>                             | 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER) |
| · <b>ADN, IMDG, IATA</b>                 | Void  |
| · <b>14.3 Transport hazard class(es)</b> |   |
| · <b>ADR, ADN, IMDG, IATA</b>            |   |
| · <b>Class</b>                           | Void  |
| · <b>14.4 Packing group</b>              |   |
| · <b>ADR, IMDG, IATA</b>                 | Void  |

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· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	Yes
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER), 9, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H250 Catches fire spontaneously if exposed to air.

H260 In contact with water releases flammable gases which may ignite spontaneously.

H261 In contact with water releases flammable gases.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Pyr. Sol. 1: Pyrophoric solids – Category 1

Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- **\* Data compared to the previous version altered.**