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## 1. Substance / Preparation and Company Identification

### 1.1 Substance / preparation identification

#### 1.1.1 Product name

Brazing Flux AG1, supplied as powder and paste.

### 1.2 Relevant identified uses of substance / preparation and uses advised against

#### 1.2.1 Sector of use

SU3: Industrial uses: end uses of substances as such or of preparations at industrial sites.

#### 1.2.2 Product category

PC38: Welding and soldering products (with flux coatings or flux cores), flux products.

### 1.3 Company identification

Company Name: STELLA SRL  
Address: Via Marconi, 26  
City and Country: 21041 ALBIZZATE (VA) - ITALY  
Telephone no.: +39 - 0331 - 985787  
Fax no.: +39 - 0331 - 985803  
Web: [www.stella-welding.com](http://www.stella-welding.com)  
E-mail of person responsible of Safety Data Sheet: [info@stella-welding.com](mailto:info@stella-welding.com)

### 1.4 Emergency phone number

+39 - 0331 - 985787

## 2. Hazards Identification


### 2.1 Classification according to European Regulation no. 1272/2008/EC

HAZARD CLASS: Eye Irrit. 2  
SIGNAL WORD: Warning  
HAZARD STATEMENT: H319: Causes serious eye irritation.

### 2.2 Label elements according to European Regulation no. 1272/2008/EC



GHS PICTOGRAM: GHS07  
SIGNAL WORD: Warning  
PRECAUTIONARY STATEMENT: P102: Keep out of reach of children.  
P103: Read label before use.  
P201: Obtain special instructions before use.  
P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
P273: Avoid release to the environment.

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P280: Wear protective gloves/ protective clothing / eye protection/face protection.  
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 P337+P313: If eye irritation persists get medical advice/attention.

### 2.3 Other information

Prevent exposure to and inhalation of fumes that are generated during brazing operations, by means of mechanical ventilation and/or protective masks. Workers must wear and properly maintain all personal protective equipments supplied, and comply with safety procedures and information. Workers, prior of starting brazing and soldering operations, must be aware of safety procedures to be followed, and must strictly observe those procedures. Body of worker should be protected by appropriate clothes. Brazing and soldering operations may present the risk of generation of dangerous metal oxides and metal vapours and fumes (small particles with approx dimensions of millimetres).

### 3. Composition / Information on ingredients

| Substance                   | CAS No.    | CE No.    | Conc. % | Classification    |      |
|-----------------------------|------------|-----------|---------|-------------------|------|
|                             |            |           |         | 1272/2088/EC      |      |
| Potassium Tetrafluoroborate | 14075-53-7 | 237-928-2 | C < 40  | Aquatic Chronic 4 | H413 |
| Potassium Metaborate        | 13079-94-9 | 237-262-2 | C < 65  | Eye Irrit. 2      | H319 |

See Section 16. for complete description of H Phrases.

### 4. First Aid Measures

#### Inhalation:


Remove person from danger area and supply fresh air. If symptoms persist, consult a doctor. If exposed person is unconscious, keep in a stable position, on one side, during transportation.

#### Ingestion:

Wash mouth thoroughly and call immediately a doctor.

#### Skin contact:

Wash thoroughly with lots of water for some minutes.

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Eye contact:

Irritant for the eyes. Wash with thoroughly with lots of water for some minutes, keeping eyes wide open.

**5. Fire Fighting measures**

General information:

Product is not flammable.

In case of fire the product emits dangerous powders, fumes and vapours: wear an appropriate respiratory mask.

Always wear complete fire-fighting equipment.

Collect water used for fire extinction and do not release it in drainage systems.

Dispose of contaminated water used for fire extinction as per local laws and regulations.

**6. Accidental Release Measures**

Flux in powder form:

Leave the area and wait for product to deposit on the ground.

Wear an appropriate respiratory mask for powders, ventilate the area and collect carefully the deposited powder. Dispose of collected powder as per local laws and regulation.

Flux in paste form:

Wash thoroughly with water: do not let water to penetrate into drainage systems. Dispose of liquid (water and flux) as per local laws and regulations.

Environmental precautions:

Avoid the product from being released in drainage systems, in superficial waters, in ground waters, in confined areas.

**7. Handling and Storage**

Handling:


The product must be handled by trained workers, with appropriate personal protective equipment.

Brazing:

During brazing operations keep work-place well ventilated, or use appropriate mechanical air-extraction methods. If necessary wear an appropriate breathing mask.

Storage:

Store in sealed containers, in fresh and well ventilated areas.

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## **8. Exposure Controls / Personal Protection**

Use of proper technical and safety measures must always be followed.  
 Keep workplace well ventilated, by means of mechanical air extraction and/or systems for release of exhaust air. If this means are not sufficient wear an appropriate breathing mask.  
 Do not drink and/or eat on work-place.  
 Wear suitable personal protective equipment to avoid contact with eyes and with skin.

## **9. Physical and Chemical Properties**

Physical State: powder or paste  
 Colour: white  
 Odour: none  
 Melting point: between 550 and 800 °C

## **10. Stability and Reactivity**

Product is stable in normal conditions of use and storage.  
 As the product is hygroscopic, keep away from sources of humidity.

## **11. Toxicological Information**

Ingestion:  
 Ingestion may cause acute and chronic intoxication. Its main symptoms are: lack of appetite, loss of weight, anaemia and weakness.

Contact with the eyes:  
 Contact with the eyes will cause hard burning sensations.

Inhalation:  
 Irritant for the respiratory system.


Contact with the skin:  
 Product is not irritating for skin.

## **12. Ecological Information**

Avoid release of product in the environment.

## **13. Disposal Considerations**

Dispose of according to local rules and regulations.

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#### 14. Transport Information

Product is not dangerous for transport.

#### 15. Regulatory Information

N/A.

#### 16. Other Information

Complete Description of H Phrases cited in Section 3.:

H319 Causes serious eye irritation.  
H413 May cause long lasting harmful effects to aquatic life.

#### REVISIONS:

This document supersedes the document rev. no. 01/14 dated 24 January 2014.

#### BIBLIOGRAPHY:

1. Directive 1999/45/CE and subsequent modifications
2. Directive 67/548/CEE and subsequent amendments and modifications(XXX adapting to technical progress)
3. Regulation (CE) 1907/2006 of European Parliament(REACH)
4. Regulation (CE) 1272/2008 of European Parliament
5. The Merck Index. Ed. 10
6. Handling Chemical Safety
7. Niosh - Registry of Toxic Effects of Chemical Substances
8. INRS - Fiche Toxicologique
9. Patty - Industrial Hygiene and Toxicology
10. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

#### Note for user:

Information contained in this Data Sheet are based on the knowledge available to us at the date of last document revision. Users should verify the suitability and completeness of information with regard to specific use the product. No data contained in this Data Sheet may be regarded as an assurance of any particular specific property of product. As end use of product is not under our direct control, it is the user's responsibility to fully comply with laws and regulations applicable in safety and hygiene. We do not take any responsibility for any un-proper use of product.