

BRASOXYL - 2126700



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : BRASOXYL

Product code : 2126700.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Flux for soft soldering

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : GEB.

Address : CS 62062.95972.ROISSY CDG CEDEX . France.

Telephone : 01 48 17 99 99. Fax : 01 48 17 98 00.

geb@geb.fr

www.geb.fr

#### 1.4. Emergency telephone number : 01 45 42 59 59.

Association/Organisation : INRS.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin corrosion, Category 1B (Skin Corr. 1B, H314).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

015-011-00-6

PHOSPHORIC ACID

Hazard statements :

H314

Causes severe skin burns and eye damage.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

**BRASOXYL - 2126700**

Precautionary statements - Response :

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements - Storage :

P405

Store locked up.

Precautionary statements - Disposal :

P501

Discard content/container according to applicable regulations.

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

| Identification  | (EC) 1272/2008   | Note            | %                   |
|---|--|-----------------|---------------------|
| INDEX: 015-011-00-6<br>CAS: 7664-38-2<br>EC: 231-633-2<br>REACH: 01-2119485924-24-xxxx<br><br>PHOSPHORIC ACID | GHS05<br>Dgr<br>Skin Corr. 1B, H314  | B<br>[1]        | 50 $\leq$ x % < 100 |
| CAS: 79-14-1<br>EC: 201-180-5<br>REACH: 01-2119485579-17<br><br>ACIDE HYDROXYACETIQUE                         | GHS07, GHS05<br>Dgr<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Acute Tox. 4, H332<br>STOT SE 3, H335                                |                 | 2.5 $\leq$ x % < 10 |
| CAS: 64-18-6<br>EC: 200-579-1<br><br>FORMIC ACID  | GHS06, GHS05, GHS02<br>Dgr<br>Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Corr. 1A, H314<br>Acute Tox. 3, H331<br>STOT SE 3, H335 | B<br>[1]        | 0 $\leq$ x % < 1    |
| CAS: 625-45-6<br>EC: 210-894-6<br><br>METHOXYACETIC ACID  | GHS08, GHS07, GHS05<br>Dgr<br>Acute Tox. 4, H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>Repr. 1B, H360FD     | E<br>[1]<br>[2] | 0 $\leq$ x % < 1    |

(Full text of H-phrases: see section 16)

**Information on ingredients :**

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures**

**BRASOXYL - 2126700**

---

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

**In the event of splashes or contact with skin :**

Remove any soiled or splashed clothing immediately.  
Watch out for any remaining product between skin and clothing, watches, shoes, etc.  
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**In the event of swallowing :**

Do not give the patient anything orally.  
Seek medical attention immediately, showing the label.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

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

No data available.

---

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe in smoke.

**5.3. Advice for firefighters**

No data available.

---

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Avoid any contact with the skin and eyes.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.  
Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Neutralise with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar.  
If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.  
Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

---

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.  
Remove and wash contaminated clothing before re-using.  
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

**BRASOXYL - 2126700**

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep out of reach of children.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

| CAS       | VME-mg/m <sup>3</sup> | VME-ppm | VLE-mg/m <sup>3</sup> | VLE-ppm | Notes |
|-----------|-----------------------|---------|-----------------------|---------|-------|
| 7664-38-2 | 1                     | -       | 2                     | -       | -     |
| 64-18-6   | 9                     | 5       | -                     | -       | -     |

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

| CAS       | TWA :               | STEL :              | Ceiling : | Definition : | Criteria : |
|-----------|---------------------|---------------------|-----------|--------------|------------|
| 7664-38-2 | 1 mg/m <sup>3</sup> | 3 mg/m <sup>3</sup> |           |              |            |
| 64-18-6   | 5 ppm               | 10 ppm              |           |              |            |

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

| CAS       | VME : | VME :                          | Excess | Notes |
|-----------|-------|--------------------------------|--------|-------|
| 7664-38-2 |       | 2 E mg/m <sup>3</sup>          |        | 2(I)  |
| 64-18-6   |       | 5 ppm<br>9,5 mg/m <sup>3</sup> |        | 2(I)  |
| 625-45-6  |       | 1 ppm<br>3,7 mg/m <sup>3</sup> |        | 2(II) |

- France (INRS - ED984 :2016) :

| CAS       | VME-ppm | VME-mg/m <sup>3</sup> | VLE-ppm | VLE-mg/m <sup>3</sup> | Notes | TMP No |
|-----------|---------|-----------------------|---------|-----------------------|-------|--------|
| 7664-38-2 | 0.2     | 1                     | 0.5     | 2                     | -     | -      |
| 64-18-6   | 5       | 9                     | -       | -                     | -     | -      |

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

| CAS       | TWA :                          | STEL :                       | Ceiling : | Definition : | Criteria : |
|-----------|--------------------------------|------------------------------|-----------|--------------|------------|
| 7664-38-2 | - ppm<br>1 mg/m <sup>3</sup>   | - ppm<br>2 mg/m <sup>3</sup> |           |              |            |
| 64-18-6   | 5 ppm<br>9,6 mg/m <sup>3</sup> | - ppm<br>- mg/m <sup>3</sup> |           |              |            |

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

**BRASOXYL - 2126700**

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVC (polyvinyl chloride)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Wear suitable protective clothing and, in particular, an apron and boots. These items of clothing shall be maintained in good condition and cleaned after use.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information :**

Physical state :

Fluid liquid.

**Important health, safety and environmental information**

pH :

Not stated.

Strongly acidic.

Boiling point/boiling range :

Not relevant.

Flash point interval :

Not relevant.

Vapour pressure (50°C) :

Between 110 kPa and 175 kPa inclusive.

Density :

> 1

Water solubility :

Soluble.

Viscosity:

$\nu < 7 \text{ mm}^2/\text{s}$  (40°C)

Melting point/melting range :

Not relevant.

Self-ignition temperature :

Not relevant.

Decomposition point/decomposition range :

Not relevant.

**BRASOXYL - 2126700**

---

**9.2. Other information**

No data available.

---

**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

No data available.

---

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure between three minutes and one hour.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture**

No toxicological data available for the mixture.

---

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**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.

---

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**BRASOXYL - 2126700**

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

**14.1. UN number**

3264

**14.2. UN proper shipping name**

UN3264=CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(phosphoric acid ...%)

**14.3. Transport hazard class(es)**

- Classification :



8

**14.4. Packing group**

II

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ  | Provis. | EQ | Cat. | Tunnel |
|---------|-------|------|----------|-------|--------|-----|---------|----|------|--------|
|         | 8     | C1   | II       | 8     | 80     | 1 L | 274     | E2 | 2    | E      |

| IMDG | Class | 2°Label | Pack gr. | LQ  | EMS     | Provis. | EQ |
|------|-------|---------|----------|-----|---------|---------|----|
|      | 8     | -       | II       | 1 L | F-A,S-B | 274     | E2 |

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo | note       | EQ |
|------|-------|---------|----------|----------|----------|-------|-------|------------|----|
|      | 8     | -       | II       | 851      | 1 L      | 855   | 30 L  | A3<br>A803 | E2 |
|      | 8     | -       | II       | Y840     | 0.5 L    | -     | -     | A3<br>A803 | E2 |

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No data available.

**SECTION 15 : REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

**BRASOXYL - 2126700**

---

**- Container information:**

Packaging to be fitted with child-resistant fastenings (see EC Regulation No. 1272/2008, Annex II, Part 3).

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

**- Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

No data available.

---

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

-

**Wording of the phrases mentioned in section 3 :**

|        |  |
|--------|--|
| H226   | Flammable liquid and vapour.                       |
| H302   | Harmful if swallowed.                              |
| H314   | Causes severe skin burns and eye damage.           |
| H318   | Causes serious eye damage.                         |
| H331   | Toxic if inhaled.                                  |
| H332   | Harmful if inhaled.                                |
| H335   | May cause respiratory irritation.                  |
| H360FD | May damage fertility. May damage the unborn child. |

**Abbreviations :**

CMR: Carcinogenic, mutagenic or reprotoxic.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.