

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

 · **1.1 Product identifier**

 · **Trade name:** DECAP' GREEN

 · **Article number:** 855

 · **Reference Safety data sheet Ref.** 855 - EN - FDS n°118b

 · **UFI:** TDC2-K0MH-500V-RUGF

 · **1.2 Relevant identified uses of the substance or mixture and uses advised against**

 · **Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

 · **Product category** PC38 Welding and soldering products, flux products

 · **Application of the substance / the mixture** Brazing 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

Members of the public seeking specific information on poisons should contact:

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

**SECTION 2: Hazards identification**

 · **2.1 Classification of the substance or mixture**

 · **Classification according to Regulation (EC) No 1272/2008**


corrosion

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4 H332 Harmful if inhaled.

 · **2.2 Label elements**

 · **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

 · **Hazard pictograms**


GHS05 GHS07

 · **Signal word** Danger

 · **Hazard-determining components of labelling:**

2-aminoethanol hydrobromide

hydrogen bromide

(Contd. on page 2)

## Safety data sheet

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

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

**Trade name: DECAP' GREEN**

(Contd. of page 1)

**· Hazard statements**

- H290 May be corrosive to metals.  
 H332 Harmful if inhaled.  
 H314 Causes severe skin burns and eye damage.

**· Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read carefully and follow all instructions.  
 P260 Do not breathe dusts or mists.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 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.  
 P406 Store in a corrosion resistant container / container with a resistant inner liner.

**· 2.3 Other hazards****· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.  
 · **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**· 3.2 Mixtures**

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

**· Dangerous components:**

CAS: 23382-12-9 EINECS: 245-624-6 Reg.nr.: 01-2120784161-57-XXXX	2-aminoethanol hydrobromide ⚠ Acute Tox. 4, H332	25-50%
CAS: 10035-10-6 EINECS: 233-113-0 Reg.nr.: 01-2119479072-39-XXXX	hydrogen bromide ⚠ Press. Gas (Comp.), H280; ⚠ Met. Corr.1, H290; Skin Corr. 1A, H314; ⚠ STOT SE 3, H335	10-25%
CAS: 68439-46-3 EINECS: 240-898-3	Alcohols, C9-11, ethoxylated ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≤2.5%

- **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**

- **General information:** Immediately remove any clothing soiled by the product.  
 · **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.  
 · **After 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.  
 · **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:**

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

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 3)

## Safety data sheet

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

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

Trade name: **DECAP' GREEN**

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **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.
- **Recommended storage temperature:** Storage temperature : Room temperature
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**
- |  |
|--|
| <b>10035-10-6 hydrogen bromide</b>                 |
| WEL Short-term value: 10 mg/m <sup>3</sup> , 3 ppm |
- **Additional information:** The lists valid during the making were used as basis.
  - **8.2 Exposure controls**
  - **Appropriate engineering controls** No further data; see item 7.
  - **Individual protection measures, such as 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.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

**Trade name: DECAP' GREEN**

(Contd. of page 3)

· **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.*



*Suitable respiratory protective device recommended.*

· **Hand protection**



*Protective gloves*

*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. (Refer to standard EN-374).*

· **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/face protection**



*Tightly sealed goggles*

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

**SECTION 9: Physical and chemical properties**

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

· **General Information**

· <b>Colour:</b>	<i>Amber coloured</i>
· <b>Odour:</b>	<i>Odourless</i>
· <b>Melting point/freezing point:</b>	<i>Not determined.</i>
· <b>Boiling point or initial boiling point and boiling range</b>	<i>171 °C (23382-12-9 2-aminoethanol hydrobromide)</i>
· <b>Flammability</b>	<i>Not applicable.</i>
· <b>Flash point:</b>	<i>Not applicable.</i>
· <b>Decomposition temperature:</b>	<i>Not determined.</i>
· <b>pH at 20 °C</b>	<i>&lt;1</i>
· <b>Solubility</b>	
· <b>water:</b>	<i>Not miscible or difficult to mix.</i>
· <b>Vapour pressure at 20 °C:</b>	<i>22500 hPa</i>
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	<i>1.25 g/cm<sup>3</sup></i>

· **9.2 Other information**

· <b>Appearance:</b>	
· <b>Form:</b>	<i>Liquid</i>

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

Trade name: **DECAP' GREEN**

(Contd. of page 4)

- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent content:**
- **Organic solvents:** 0.0 %
- **Water:** 25 - 50 %
- **VOC (EC)** 0.00 %
- **Oxygen content (%)**
- **Solids content:** 72.5 %

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals**  
May be corrosive to metals.
- **Desensitised explosives** Void

### 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:**  
Strong Bases  
Oxidizing materials  
Strong oxidizers
- **10.6 Hazardous decomposition products:** Corrosive gases/vapours

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**  
Harmful if inhaled.

· <b>LD/LC50 values relevant for classification:</b>
--

<b>10035-10-6 hydrogen bromide</b>
------------------------------------

Inhalative	LC50/4 h	2,858 ppm (rat)
------------	----------	-----------------

- **Skin corrosion/irritation**  
Causes severe skin burns and eye damage.

(Contd. on page 6)

## Safety data sheet

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

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

**Trade name: DECAP' GREEN**

(Contd. of page 5)

- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**10035-10-6 hydrogen bromide**

CL50 65.04 mg/l (96h) (Fish)

CE50 19 mg/l (48h) (daphnia)

CI50 130 mg/l (algae)

- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional 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 unneutralised.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### 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

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1788

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

Trade name: **DECAP' GREEN**

(Contd. of page 6)

· **14.2 UN proper shipping name**  
· **ADR** 1788 HYDROBROMIC ACID  
· **IMDG, IATA** HYDROBROMIC ACID

· **14.3 Transport hazard class(es)**  
· **ADR, IMDG**



· **Class** 8 Corrosive substances.  
· **Label** 8

· **IATA**



· **Class** 8 Corrosive substances.  
· **Label** Forbidden

· **14.4 Packing group**  
· **ADR, IMDG, IATA** II

· **14.5 Environmental hazards:**  
· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Corrosive substances.  
· **Hazard identification number (Kemler code):** 80  
· **EMS Number:** F-A,S-B  
· **Segregation groups** Strong acids  
· **Stowage Category** E

· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR**  
· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml  
· **Transport category** 2  
· **Tunnel restriction code** E

· **IMDG**  
· **Limited quantities (LQ)** 1L  
· **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 1788 HYDROBROMIC ACID, 8, III

GB

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.11.2022

Version number 4 (replaces version 3) Revision and application 18.11.2022

**Trade name: DECAP' GREEN**

(Contd. of page 7)

### **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 1 (Self-assessment): slightly 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**  
*H280 Contains gas under pressure; may explode if heated.*  
*H290 May be corrosive to metals.*  
*H302 Harmful if swallowed.*  
*H314 Causes severe skin burns and eye damage.*  
*H318 Causes serious eye damage.*  
*H332 Harmful if inhaled.*  
*H335 May cause respiratory irritation.*
- **Abbreviations and acronyms:**  
*ADR: Accord relatif au transport international 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)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Press. Gas (Comp.): Gases under pressure – Compressed gas*  
*Met. Corr. 1: Corrosive to metals – Category 1*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Skin Corr. 1A: Skin corrosion/irritation – Category 1A*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
- **\* Data compared to the previous version altered.**

GB