
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: BRONZE FLUX 261 PF
- Datasheet Number: 603076-R2
- Product Part Number: 603076

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

- Welding rod

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: For quotations contact your local Customer Services
- Address of Supplier: Wilhelmsen Ships Service AS
Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
- Telephone: +31 10 4877 777
- Fax: +31 10 4877 888
- Responsible Person: Product HSE Manager, Tel.: +31 10 4877775
- Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com

1.4 Emergency telephone number

- ****ONLY TO BE USED IN CASE OF AN INCIDENT****
-
- American 24hrs Emergency CHEMTREC (800) 424 9300
- American Chemistry Council 24hrs +1 703 527 3887
- China NRCC 24hrs emergency telephone number: +86-0532-8388 9090
- Greece: Poisoning emergency center, +30 210 7793777
- International 24hrs Emergency NCEC:+ 44 1865 407333
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Repr. 1B
- May damage fertility or the unborn child.
-
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
- May impair fertility
- May cause harm to the unborn child

2.2 Label elements

SECTION 2 Hazards identification (....)

Toxic

-
- Contains:
 - Boric acid
- Risk Phrases
 - May impair fertility
 - May cause harm to the unborn child
- Safety Phrases
 - Avoid exposure - obtain special instructions before use
 - Keep locked up and out of reach of children
 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
 - Wear suitable protective clothing
 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

2.3 Other hazards

- Odour: Odourless
- Appearance: paste, white, partly miscible with water
- Contact with eyes: Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- Contact with skin: Possible irritation of affected areas
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.

SECTION 3 Composition/information on ingredients**3.1 Mixtures**

- boric acid
 - Concentration: 25-50%
 - CAS Number: 10043-35-3
 - EC Number: 233-139-2
 - R/H Phrases: H360FD, R60,R61
 - Symbols: GHS08, T
 - Categories: Repr. 1B
 - ***SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57***: Boric acid - CAS 10043-35-3

SECTION 4 First aid measures**4.1 Description of first aid measures**

- In case of burns immediately cool affected skin as long as possible with cold water
- Burns should be covered with a clean, dry non-fluffy material
-
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- When in doubt or symptoms persist, seek medical attention
-

SECTION 4 First aid measures (....)

- IF ON SKIN: Wash with plenty of soap and water.
-
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
-

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation of fumes formed during welding and or cutting may be harmful.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is irritating

5.3 Advice for firefighters

- Wear Positive-Pressure Breathing Apparatus
-

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No special precautions are required for this product

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 Methods and material for containment and cleaning up

- Remove by mechanical means

6.4 Reference to other sections

- None
-

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry place
- Protect from moist air

7.3 Specific end use(s)

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- TLV (TWA) 5 mg/m³ (Welding fumes)

8.2 Exposure controls

- If practicable, engineering controls should be provided where airborne concentrations exceed exposure limits

8.3 Occupational exposure controls

SECTION 8 Exposure controls/personal protection (....)

Gloves



Suit



Visor

- Wear suitable protective clothing, including eye/face protection and gloves (leather are recommended)
- Wear suitable filter lenses when welding / cutting.
- In case of inadequate ventilation wear respiratory protection.
- Where an air-purifying respirator is suitable, use EN143 type P-S or EN149 type FFP-S

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: paste, white, partly soluble in water
- pH 6 (10 g/l H₂O; 20C)
- Boiling point >100 °C
- Vapour pressure 23 hPa at 20 deg C
- Vapour density 1.3 g/cm³ at 20 deg C
- Insoluble in water

9.2 Other information

- None

SECTION 10 Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special precautions are required for this product

10.5 Incompatible materials

- None

10.6 Hazardous Decomposition Products

- No hazardous decomposition products known

SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Not applicable
- Inhalation
Inhalation of fumes formed during welding and or cutting may be harmful.
- Contact with skin
Not applicable
- Contact with eyes
May cause irritation

SECTION 11 Toxicological information (....)

- Ingestion
Not regarded as a potential route of exposure.
 - Carcinogenicity
No information available
-

SECTION 12 Ecological information

12.1 Toxicity

- On available data, substance is not harmful to aquatic life

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant.

12.4 Mobility in soil

- Sinks in water

12.5 Results of PBT and vPvB assessment

12.6 Other Adverse Effects

- No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment.
-

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Disposal should be in accordance with local, state or national legislation

13.2 Classification

- EU Waste class: -
-

SECTION 14 Transport information

14.1 Environmental hazards

- On available data, substance is not harmful to the environment

14.2 Special precautions for user

- Not classified as hazardous for transport

14.3 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.4 UN

- Proper Shipping Name: n/a
- UN No.: n/a
- Hazard Class: n/a
- Packing Group: n/a

14.5 Road/Rail (ADR/RID)

- Proper Shipping Name:
 - ADR UN No.:
 - ADR Hazard Class:
 - ADR Packing Group:
-

SECTION 14 Transport information (....)

- ADR subrisk:
- ADR Flashpoint:

14.6 Sea (IMDG)

- Proper Shipping Name:
- IMDG UN No.:
- IMDG Hazard Class:
- IMDG Pack Group.:
- IMDG EmS:
- IMDG subrisk:
- IMDG Flashpoint:

14.7 Air (ICAO/IATA)

- Proper Shipping Name:
- ICAO UN No.:
- ICAO Hazard Class:
- ICAO Packing Group:
- ICAO subrisk:
- ICAO Flashpoint:

14.8 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name:
 - Hazardous Material:
 - Hazard Class:
 - Identification Number:
 - Product RQ (lbs):
 - DOT subrisk:
 - DOT Flashpoint:
-

SECTION 15 Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)
-
- ***SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57***: CAS:10043-35-3

15.2 Chemical Safety Assessment

None

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
H360FD: May damage fertility. May damage the unborn child. R60: May impair fertility. R61: May cause harm to the unborn child.

SECTION 16 Other information (....)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

The most up-to-date version of this MSDS can be found on
www.wilhelmsen.com/shipsservice

OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES

For addresses of other Wilhelmsen Ships Service offices, please refer to
www.wilhelmsen.com/shipsservice

Wilhelmsen Ships Service Level 1, 39 Park Street South Melbourn, Vic 3205 Australian Tel:+61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

Wilhelmsen Ships Service INC 210 Edgewater Street US-10305 Staten Island New York United States Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

Wilhelmsen Ships Service INC 701 Ashland Ave. Ashland Center Two, Bay 12 US- 19032 Folcroft Pennsylvania United States Tel (+1) 610 586 7801 Fax (+1) 215 701 0646

Wilhelmsen Ships Service INC. 9400 New Century Drive US-77507 Pasadena Texas United States Telephone daytime: (+1) 281 867 2000 Fax: (+1) 281 867 2800

Wilhelmsen Ships Service Ltd. Unit 3A NewtonsCourt Crossways DA2 6QL Dartford, Kent United Kingdom Tel (+44) 1322 282 412 Fax (+44) 1322 284 774

Wilhelmsen Ships Service Ltda Rua Bispo Lacerda nos.61/67 Del Catilho BR 21051120 Rio de Janeiro Brazil Tel (+55) 21 25 82 8000 Fax (+55) 21 25 82 8001

Wilhelmsen Ships Service (S) Pte Ltd 186 Pandan Loop Singapore 128376 Tel (+65) 6395 4545

Wilhelmsen Ships Service Co., Ltd 12-31 Torihama-cho Kanazawa-ku Yokohama-shi JP-236 0002, Japan Tel (+81) 45 775 0012 Fax (+81) 45 775 0070

Wilhelmsen Ships Service Hellas SA 100, D. Moutsopoulou & Serifou str GR-185 41 Piraeus Greece Tel (+ 30) 210 4239100 Fax (+ 30) 210 4212480

WMS AS U.A.E. Fl 24 Executive Heights, Tecom C Sheikh Zayed Road (East) Dubai United Arab Emirates Tel (+971) 4 382 3888

