

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

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

- . **1.1 Product identifier**
- . **Trade name:** GRIFFON FLUX-6 BOT 200G*12 NLFRES
- . **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- . **Application of the substance / the mixture** Soldering flux
- . **1.3 Details of the supplier of the safety data sheet**
- . **Manufacturer(1)/Supplier(2):**
1
Bison International
Dr.A.F.Philipsstraat 9
NL-4462 EW Goes
PO Box 160
NL-4460 AD Goes
tel. +31 88 3235700
fax. +31 88 3235800
e mail: sds@boltonadhesives.com
- . **Further information obtainable from:** Bison QESH
- . **1.4 Emergency telephone number:** +31 88 3235700

SECTION 2: Hazards identification

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

- . **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**



GHS07

- . **Signal word** Warning
- . **Hazard statements**
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.
- . **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear eye protection / face protection.

(Contd. on page 2)

GB-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 1)

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.
P501 Dispose of contents/container in accordance with national regulations.

==>> Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms



GHS07

Signal word Warning

Hazard statements

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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: Soldering flux

Dangerous components:

CAS: 13709-94-9 EINECS: 237-262-2	Potassium metaborate	Eye Irrit. 2, H319	50-100%
CAS: 14075-53-7 EINECS: 237-928-2	potassium tetrafluoroborate	Aquatic Chronic 4, H413	25-50%
CAS: 12045-78-2 EINECS: 215-575-5	potassiumtetraborate.tetrahydrate	Eye Irrit. 2, H319	2.5-10%

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

General information: No special measures required.

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. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 3)

GB-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 2)

- 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: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- 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**
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:**
Dispose contaminated material as waste according to item 13.
- 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** No special precautions are necessary if used correctly.
- 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 receptacle tightly sealed.
- 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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information:** The lists valid during the making were used as basis.

(Contd. on page 4)

GB-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 3)

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

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.

Avoid contact with the eyes and skin.

Respiratory protection:

Not required.

Protection of hands:



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.

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.

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

PVC or PE gloves

Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Solid

Colour:

According to product specification

Odour:

Characteristic

Odour threshold:

Not determined.

(Contd. on page 5)

GB-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 4)

. pH-value at 20 °C:	9.5
. Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	300 °C
. Flash point:	Not applicable.
. Flammability (solid, gas):	Not determined.
. Ignition temperature:	
Decomposition temperature:	Not determined.
. Auto-ignition temperature:	Product is not selfigniting.
. Explosive properties:	Product does not present an explosion hazard.
. Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
. Vapour pressure:	Not applicable.
. Density at 20 °C:	2.076 g/cm ³
. Relative density	Not determined.
. Vapour density	Not applicable.
. Evaporation rate	Not applicable.
. Solubility in / Miscibility with water:	Insoluble.
. Partition coefficient: n-octanol/water:	Not determined.
. Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Organis solvents:	0.0 %
Solids content:	98.1 %
. 9.2 Other information	All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.

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: No further relevant information available.
- . 10.6 Hazardous decomposition products: Danger of forming toxic pyrolysis products.

GB-EN

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 5)

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 irritation.
- . **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- . **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** Based on available data, the classification criteria are not met.
- . **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.
- . **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.
- . **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.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

GB-EN

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

(Contd. of page 6)

SECTION 14: Transport information

. 14.1 UN-Number	
. ADR/ADN, ADN, IMDG, IATA	Void
. 14.2 UN proper shipping name	
. ADR/ADN, ADN, IMDG, IATA	Void
. 14.3 Transport hazard class(es)	
. ADR/ADN, ADN, IMDG, IATA	
. Class	Void
. 14.4 Packing group	
. ADR/ADN, IMDG, IATA	Void
. 14.5 Environmental hazards:	
. Marine pollutant:	No
. 14.6 Special precautions for user	Not applicable.
. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
. Transport/Additional information:	
. IMDG	
. Remarks:	Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2
. UN "Model Regulation":	Void

SECTION 15: Regulatory information

- . 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- . Directive 2012/18/EU
- . Named dangerous substances - ANNEX I None of the ingredients is listed.
- . 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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
H319 Causes serious eye irritation.
H413 May cause long lasting harmful effects to aquatic life.
- . Department issuing SDS: Bison QESH
- . Contact: Reach coördinator
- . Abbreviations and acronyms:
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

(Contd. on page 8)

GB-EN



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

Printing date 09.08.2017

Version number 16

Revision: 06.05.2017

Trade name: GRIFFON FLUX-6 BOT 200G*12 NLFRES

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
* **Data compared to the previous version altered.**

(Contd. of page 7)

GB-EN