

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 11.10.2018


Version number 14


Revision: 18.04.2018

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

- . **1.1 Product identifier**
- . **Trade name:** GRIFFON STEX LIQUID BOT 1L*6 ESEN
- . **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** Cleaning agent/ Cleaner
- . **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**
 GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- . **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**

GHS05
- . **Signal word** Danger
- . **Hazard-determining components of labelling:**
sodium hydroxide
- . **Hazard statements**
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.
P260 Do not breathe vapours.

(Contd. on page 2)

EU-EN

Safety data sheet

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Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 1)

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
P501 Dispose of contents/container in accordance with national regulations.

- . **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:** Cleansing product

- . **Dangerous components:**

CAS: 1310-73-2	sodium hydroxide	25-50%
EINECS: 215-185-5	☞ Skin Corr. 1A, H314; ☞ Acute Tox. 4, H302	

- . **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 stable in side position for transportation.
Call a doctor immediately.
- . **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.
- . **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- . **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Rinse out mouth and then drink plenty of water.
- . **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:** Use fire extinguishing methods suitable to surrounding conditions.

(Contd. on page 3)

EU-EN

Safety data sheet

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Version number 14

Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 2)

- . **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- . **5.3 Advice for firefighters**
- . **Protective equipment:** Mount respiratory protective device.

SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- . **6.2 Environmental precautions:**
Dilute with plenty of water.
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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- . **Information about fire - and explosion protection:** Keep respiratory protective device available.
- . **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)

EU-EN

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according to 1907/2006/EC, Article 31

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Version number 14

Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(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.

Do not inhale gases / fumes / aerosols.

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Recommended thickness of the material: > 0,12 mm

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.

Nitrile rubber, NBR

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 mixture of chemicals mentioned below the penetration time has to be at least 10 minutes (Permeation according to EN 374 Part 3: Level 1).

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Colour: Clear

Odour: Recognisable

Odour threshold: Not determined.

pH-value at 20 °C: 14

(Contd. on page 5)

EU-EN

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Version number 14

Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 4)

. Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
. Flash point:	Not applicable.
. Flammability (solid, gas):	Not applicable.
. 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 at 20 °C:	23 hPa
. Density at 20 °C:	1.4 g/cm ³
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.
. Solubility in / Miscibility with water:	Fully miscible.
. Partition coefficient: n-octanol/water:	Not determined.
. Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Water:	50.1 %
. 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** Corrosive action on metals.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

EU-EN

Safety data sheet

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Version number 14

Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 5)

. LD/LC50 values relevant for classification:**1310-73-2 sodium hydroxide**

Oral LD50 2,000 mg/kg (rat)

. Primary irritant effect:**. Skin corrosion/irritation**

Causes severe skin burns and eye damage.

. Serious eye damage/irritation

Causes serious eye damage.

. 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.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

. 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.

(Contd. on page 7)

EU-EN

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

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Version number 14



Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 6)

Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

. 14.1 UN-Number . ADR/ADN, IMDG, IATA	UN1824
. 14.2 UN proper shipping name . ADR/ADN . IMDG, IATA	1824 SODIUM HYDROXIDE SOLUTION SODIUM HYDROXIDE SOLUTION
. 14.3 Transport hazard class(es) . ADR/ADN	
	
. Class . Label	8 (C5) Corrosive substances. 8
. IMDG, IATA	
	
. Class . Label	8 Corrosive substances. 8
. 14.4 Packing group . ADR/ADN, IMDG, IATA	II
. 14.5 Environmental hazards: . Marine pollutant:	No
. 14.6 Special precautions for user . Danger code (Kemler): . EMS Number: . Segregation groups . Stowage Category . Segregation Code	Warning: Corrosive substances. 80 F-A,S-B Alkalis A SG35 Stow "separated from" acids.
. 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
. Transport/Additional information:	
. ADR/ADN . Limited quantities (LQ) . Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

(Contd. on page 8)

EU-EN

Safety data sheet

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Version number 14

Revision: 18.04.2018

Trade name: GRIFFON STEX LIQUID BOT 1L*6 ESEN

(Contd. of page 7)

. 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
. 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":	UN 1824 SODIUM HYDROXIDE SOLUTION, 8, II

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.
- . **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- . **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**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
- . **Department issuing SDS:** Bison QESH
- . **Contact:** Reach coördinator
- . **Abbreviations and acronyms:**
ADR: Accord européen sur le transport 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- . *** Data compared to the previous version altered.**

EU-EN