

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.08.2016

Version number 16

Revision: 03.08.2016

1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** FIP TEMPERFIP COLLANTE BOT 500ML*12 L11**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** Adhesive**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

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**2 Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

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

GHS02



GHS07



GHS08

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- . **Signal word** Danger
- . **Hazard-determining components of labelling:**
tetrahydrofuran
methyl ethyl ketone
- . **Hazard statements**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- . **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapours.
P281 Use personal protective equipment as required.
P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with national regulations.
- . **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
- . **2.3 Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

3 Composition/information on ingredients

- . **3.2 Mixtures**
- . **Description:** Adhesive
- . **Dangerous components:**
CAS: 109-99-9 tetrahydrofuran 50-100%
EINECS: 203-726-8 ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Eye
Reg.nr.: 01-2119444314-46 Irrit. 2, H319; STOT SE 3, H335
CAS: 78-93-3 methyl ethyl ketone 10-25%
EINECS: 201-159-0 ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT
Reg.nr.: 01-2119457290-43 SE 3, H336
CAS: 67-64-1 acetone ≤ 2.5%
EINECS: 200-662-2 ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT
Reg.nr.: 01-2119471330-49 SE 3, H336
- . **Additional information:**
For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- . **4.1 Description of first aid measures**
- . **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.

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- . **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- . **5.1 Extinguishing media**
- . **Suitable extinguishing agents:**
Water haze
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
- . **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.
- . **5.3 Advice for firefighters**
- . **Protective equipment:** Mount respiratory protective device.
- . **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- . **6.2 Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
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).
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.

7 Handling and storage

- . **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- . **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**
Keep receptacle tightly sealed.

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Store in cool, dry conditions in well sealed receptacles.

- . **7.3 Specific end use(s)** No further relevant information available.

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:**

78-93-3 methyl ethyl ketone

WEL (Great Britain) Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Sk, BMGV

IOELV (European Union) Short-term value: 900 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm

67-64-1 acetone

WEL (Great Britain) Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm

IOELV (European Union) Long-term value: 1210 mg/m³, 500 ppm

- . **Ingredients with biological limit values:**

78-93-3 methyl ethyl ketone

BMGV (Great Britain) 70 µmol/L
Medium: urine
Sampling time: post shift
Parameter: butan-2-one

- . **Additional information:** The lists valid during the making were used as basis.

- . **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.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

- . **Respiratory protection:**

Suitable respiratory protective device recommended.

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.

Use suitable respiratory protective device in case of insufficient ventilation.

- . **Recommended filter device for short term use:**

Filter AX

Filter A

- . **Protection of hands:**

Solvent resistant 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

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. 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

. Body protection: Solvent resistant protective clothing**9 Physical and chemical properties****. 9.1 Information on basic physical and chemical properties****. General Information****. Appearance:****Form:**

Fluid

Colour:

According to product specification

. Odour:

Characteristic

. Odour threshold:

Not determined.

. pH-value:

Not determined.

. Change in condition**Melting point/Melting range:**

Undetermined.

Boiling point/Boiling range:

55 °C

. Flash point:

-21 °C

. Flammability (solid, gaseous):

Not applicable.

. Ignition temperature:

230 °C

. Decomposition temperature:

Not determined.

. Self-igniting:

Product is not selfigniting.

. Danger of explosion:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

. Explosion limits:**Lower:**

1.5 Vol %

Upper:

12.0 Vol %

. Vapour pressure at 20 °C:

200 hPa

. Density at 20 °C:0.95 g/cm³**. Relative density**

Not determined.

. Vapour density

Not determined.

. Evaporation rate

Not determined.

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- . **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- . **Partition coefficient (n-octanol/water):** Not determined.
- . **Viscosity:**
 - Dynamic at 20 °C:** 2750 mPas
 - Kinematic:** Not determined.
 - Organis solvents:** 81.9 %
 - Solids content:** 19.7 %
- . **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.

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.

11 Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **LD/LC50 values relevant for classification:**
 - 109-99-9 tetrahydrofuran**
Oral LD50 3000 mg/kg (rat)
 - 78-93-3 methyl ethyl ketone**
Oral LD50 3300 mg/kg (rat)
Dermal LD50 5000 mg/kg (rbt)
 - 67-64-1 acetone**
Oral LD50 5800 mg/kg (rat)
Dermal LD50 20000 mg/kg (rbt)
- . **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 (carcinogenity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Suspected of causing cancer.

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- . **Reproductive toxicity**
Based on available data, the classification criteria are not met.
- . **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
- . **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.

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.

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.

14 Transport information

- . **14.1 UN-Number**
- . **ADR,ADN, IMDG, IATA** UN1133
- . **14.2 UN proper shipping name**
- . **ADR/ADN** 1133 ADHESIVES
- . **IMDG, IATA** ADHESIVES
- . **14.3 Transport hazard class(es)**
- . **ADR/ADN**



- . **Class** 3 (F1) Flammable liquids.

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. Label 3

. IMDG, IATA



. Class 3 Flammable liquids.

. Label 3

. 14.4 Packing group

. ADR,ADN, IMDG, IATA III

. 14.5 Environmental hazards:

. Marine pollutant: No

. 14.6 Special precautions for user Warning: Flammable liquids.

. Danger code (Kemler): 33

. EMS Number: F-E,S-D

. Stowage Category A

. 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) 5L

. Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

. Transport category 3

. Tunnel restriction code D/E

. IMDG

. Limited quantities (LQ) 5L

. Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 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 1133 ADHESIVES, 3, III

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.

. Seveso category P5c FLAMMABLE LIQUIDS

. Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

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- . **Qualifying quantity (tonnes) for the application of upper-tier requirements**
50,000 t
- . **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.

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**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
- . **Department issuing SDS:** Bison QESH
- . **Contact:** Reach coördinator
- . **Abbreviations and acronyms:**
Flam. Liq. 2: Flammable liquids - Category 2
Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
Carc. 2: Carcinogenicity - Category 2
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

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