



Safety Data Sheet

acc. to OSHA HCS


Printing date 11/29/2013

Reviewed on 11/29/2013

1 Identification

- . **Product identifier**
- . **Trade name:** S-65[®] Copper
- . **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
- . **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: msds@boltonadhesives.com
- . **Information department:** Bison QESH
- . **Emergency telephone number:** +31 88 3235700

2 Hazard(s) identification

- . **Classification of the substance or mixture**
 - . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Not applicable.
 - . **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 - . **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
-
- . **Label elements**
 - . **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.
 - . **Classification system:**
 - . **NFPA ratings (scale 0-4)**
 Health = 0
Fire = 1
Reactivity = 0
 - . **Other hazards**
 - . **Results of PBT and vPvB assessment**
 - . **PBT:** Not applicable.
 - . **vPvB:** Not applicable.

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* 3 Composition/information on ingredients

. **Chemical characterization: Mixtures**

. **Description:** Soldering flux

. **Dangerous components:**

25322-68-3 poly ethylen glycol

50-100%

506-59-2 dimethylammonium chloride

2.5-10%

. **Additional information:**

For the wording of the listed risk phrases refer to section 16.

* 4 First-aid measures

. **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.

. **After swallowing:** If symptoms persist consult doctor.

. **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

. **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

* 5 Fire-fighting measures

. **Extinguishing media**

. **Suitable extinguishing agents:**

Use fire fighting measures that suit the environment.

. **Special hazards arising from the substance or mixture**

No further relevant information available.

. **Advice for firefighters**

. **Protective equipment:** No special measures required.

* 6 Accidental release measures

. **Personal precautions, protective equipment and emergency procedures** Not required.

. **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

. **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

. **Reference to other sections**

No dangerous substances are released.

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

. **Precautions for safe handling** No special measures required.

. **Information about protection against explosions and fires:**

No special measures required.

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- . **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:** None.
- . **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- . **Additional information about design of technical systems:**
No further data; see item 7.
- . **Control parameters**
- . **Components with limit values that require monitoring at the workplace:**
25322-68-3 poly ethylen glycol
WEEL () Long-term value: 10 mg/m³
(H); MW>200
- . **Additional information:**
The lists that were valid during the creation were used as basis.
- . **Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- . **Breathing equipment:** Not required.
- . **Protection of hands:**
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.
- . **Eye protection:** Goggles recommended during refilling.

* 9 Physical and chemical properties

- . **Information on basic physical and chemical properties**
- . **General Information**
- . **Appearance:**
 - Form: Fluid
 - Color: According to product specification
- . **Odor:** Characteristic
- . **Odour threshold:** Not determined.
- . **pH-value:** Not determined.
- . **Change in condition**
 - Melting point/Melting range: Undetermined.

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- Boiling point/Boiling range:** Undetermined.
- . **Flash point:** > 100 °C (> 212 °F)
 - . **Flammability (solid, gaseous):** Not applicable.
 - . **Ignition temperature:** 410.0 °C (770 °F)
 - . **Decomposition temperature:** Not determined.
 - . **Auto igniting:** Product is not selfigniting.
 - . **Danger of explosion:** Product does not present an explosion hazard.
 - . **Explosion limits:**
 - Lower: 3.2 Vol %
 - Upper: 53.0 Vol %
 - . **Vapor pressure at 20 °C (68 °F):** 23.0 hPa (17 mm Hg)
 - . **Density at 20 °C (68 °F):** 1.09304 g/cm³ (9.121 lbs/gal)
 - . **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 at 20 °C (68 °F): 300 mPas
 - Kinematic: Not determined.
 - Organic solvents: 0.1 %
 - Water: 4.3 %
 - Solids content: 10.1 %
 - . **Other information** No further relevant information available.

* 10 Stability and reactivity

- . **Reactivity**
- . **Chemical stability**
- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known.
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
 - . **on the skin:** No irritant effect.
 - . **on the eye:** No irritating effect.
- . **Sensitization:** No sensitizing effects known.

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- . **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- . **Carcinogenic categories**
- . **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
- . **NTP (National Toxicology Program)**
None of the ingredients is listed.

12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:**
Water hazard class 1 (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.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation:** Smaller quantities can be disposed of with household waste.
- . **Uncleaned packagings:**
- . **Recommendation:**
Disposal must be made according to official regulations.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
- . **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- . **UN-Number**
- . **DOT, ADR, ADN, IMDG, IATA** Void
- . **UN proper shipping name**
- . **DOT, ADR, ADN, IMDG, IATA** Void
- . **Transport hazard class(es)**
- . **DOT, ADR, ADN, IMDG, IATA**
- . **Class** Void
- . **Packing group**
- . **DOT, ADR, IMDG, IATA** Void
- . **Environmental hazards:**
- . **Marine pollutant:** No
- . **Special precautions for user** Not applicable.

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. **Transport in bulk according to Annex II of MARPOL73/78 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

15 Regulatory information

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

. **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

. **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

. **TSCA (Toxic Substances Control Act)**

25322-68-3 poly ethyleen glycol

506-59-2 dimethylammonium chloride

63148-62-9 polydimethylsiloxane

34590-94-8 (2-methoxymethylethoxy)propanol

7732-18-5 water, distilled, conductivity or of similarpurity

. **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

. **Carcinogeny categories**

. **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

. **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

. **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

. **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

. **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

. **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

. **National regulations:**

. **Water hazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

. **Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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* **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.

- . **Department issuing MSDS:** QESH Department
- . **Contact:** Reach coördinator
- . *** Data compared to the previous version altered.**

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