



Safety Data Sheet acc. to OSHA HCS

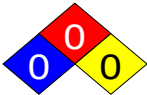
Printing date 12/10/2013

Reviewed on 12/10/2013

1 Identification

- . **Product identifier**
- . **Trade name:** Universal Soldering Rod
- . **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- . **Application of the substance / the mixture** Brazing alloy
- . **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.
 - . **Special labeling of certain preparations:**
Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.
 - . **Classification system:**
 - . **NFPA ratings (scale 0-4)**

 - Health = 0
 - Fire = 0
 - Reactivity = 0
 - . **Other hazards**
 - . **Results of PBT and vPvB assessment**
 - . **PBT:** Not applicable.

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. vPvB: Not applicable.

* 3 Composition/information on ingredients

. **Chemical characterization:** Mixtures

. **Description:** Brazing alloy

. **Dangerous components:**

7439-92-1 lead

50-100%

7440-31-5 tin

25-50%

. **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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

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

. **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.

. **Conditions for safe storage, including any incompatibilities**

. **Storage:**

. **Requirements to be met by storerooms and receptacles:** No special requirements.

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- . **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:**

7439-92-1 lead

PEL () Long-term value: 0.05* mg/m³
*see 29 CFR 1910.1025

REL () Long-term value: 0.05* mg/m³

*8-hr TWA, excl. lead arsenate; See PocketGuideApp.C

TLV () Long-term value: 0.05* mg/m³

*and inorganic compounds, as Pb; BEI

7440-31-5 tin

PEL () Long-term value: 2 mg/m³
metal

REL () Long-term value: 2 mg/m³

TLV () Long-term value: 2 mg/m³
metal

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

7439-92-1 lead

BEI () 30 µg/100 ml
Medium: blood
Time: not critical
Parameter: Lead

10 µg/100 ml
Medium: blood
Time: not critical
Parameter: Lead (women of child bearing potential)

- . **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**

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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:** Not required.

9 Physical and chemical properties

. **Information on basic physical and chemical properties**

. **General Information**

. **Appearance:**

Form: Solid

Color: According to product specification

. **Odor:** Characteristic

. **Odour threshold:** Not determined.

. **pH-value:** Not applicable.

. **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 1740 °C (3164 °F)

. **Flash point:** Not applicable.

. **Flammability (solid, gaseous):** Not determined.

. **Ignition temperature:**

Decomposition temperature: Not determined.

. **Auto igniting:** Product is not selfigniting.

. **Danger of explosion:** Product does not present an explosion hazard.

. **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

. **Vapor pressure:** Not applicable.

. **Density at 20 °C (68 °F):** 8.21 g/cm³ (68.512 lbs/gal)

. **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.

Organic solvents: 0.0 %

Solids content: 100.0 %

. **Other information** No further relevant information available.

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* 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.
- . **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)**
7439-92-1 lead: 2B
- . **NTP (National Toxicology Program)**
7439-92-1 lead: R

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.

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- . **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.

* 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.
 - . **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)**
7439-92-1 lead
- . **TSCA (Toxic Substances Control Act)**
All ingredients are listed.
- . **Prop 65 - Chemicals known to cause cancer**
7439-92-1 lead
- . **Carcinogenity categories**
- . **EPA (Environmental Protection Agency)**
7439-92-1 lead: B2
- . **TLV (Threshold Limit Value established by ACGIH)**
7439-92-1 lead: A3
- . **MAK (German Maximum Workplace Concentration)**
7439-92-1 lead: 2
7440-31-5 tin: 4

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UNIVERSAL SOLDERING ROD

UNIVERSAL SOLID TIN/LEAD (40/60) SOLDERING ROD



1230725 - GRIFFON UNIVERSAL SOLDERING ROD 40/60 SOLID 6 MM BLISTER 100 G NL/FR

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- . **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.
- . **Special labeling of certain preparations:**
Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.
- . **National regulations:**
- . **Technical instructions (air):**
- . **Class Share in %**
 - . III 25-50
- . **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.

* **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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