

### Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/10/2009

Reviewed on 09/10/2009

#### 1 Identification of substance

. **Product details**

- . **Trade name:** Houtlijm ST 10 D2
- . **Applicator:** Wood Adhesive ST10® D2

. **Manufacturer/Supplier:**

Bison International  
Dr.A.F.Philipsstraat 9  
NL-4462 EW Goes  
PO Box 160  
NL-4460 AD Goes  
tel. +31 113 235700  
fax. +31 113 232077  
e mail: msds@bison.boltongroup.nl

- . **Information department:** R & D Department
- . **Emergency information:** +31 113 235700

#### 2 Composition/Data on components

. **Chemical characterization**

- . **Description:** Adhesive

. **Dangerous components:**

124-17-4 2-(2-butoxyethoxy)ethyl acetate

≤ 2.5%

. **Additional information:**

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

#### 3 Hazards identification

- . **Hazard description:** Not applicable.

. **Information pertaining to particular dangers for man 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.

. **NFPA ratings (scale 0-4)**

Health = 0

Fire = 0

Reactivity = 0

#### 4 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.

#### 5 Fire fighting measures

- . **Suitable extinguishing agents:**  
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- . **Protective equipment:** No special measures required.

(Contd. on page 2)

USA

**Material Safety Data Sheet**

acc. to ISO/DIS 11014

Printing date 09/10/2009

Reviewed on 09/10/2009

**Trade name: Houtlijm ST 10 D2**

(Contd. of page 1)

**6 Accidental release measures**

- . **Person-related safety precautions:** Not required.
- . **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- . **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- . **Additional information:** No dangerous substances are released.

**7 Handling and storage**

- . **Handling:**
- . **Information for safe handling:** No special measures required.
- . **Information about protection against explosions and fires:**  
No special measures required.
- . **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.

**8 Exposure controls and personal protection**

- . **Additional information about design of technical systems:**  
No further data; see item 7.
- . **Components 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 that were valid during the creation were used as basis.
- . **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**. **General Information**

**Form:** Fluid  
**Color:** According to product specification

(Contd. on page 3)

-USA-

**Material Safety Data Sheet**

acc. to ISO/DIS 11014

Printing date 09/10/2009

Reviewed on 09/10/2009

**Trade name: Houtlijm ST 10 D2**

(Contd. of page 2)

**Odor:** Characteristic

- . **Change in condition**
- Melting point/Melting range:** Undetermined.
- Boiling point/Boiling range:** 100°C (212°F)
- . **Flash point:** Not applicable.
- . **Auto igniting:** Product is not selfigniting.
- . **Danger of explosion:** Product does not present an explosion hazard.
- . **Vapor pressure at 20°C (68°F):** 23.0 hPa (17 mm Hg)
- . **Density at 20°C (68°F):** 1.090 g/cm<sup>3</sup>
- . **Solubility in / Miscibility with Water:** Fully miscible.
- . **Viscosity:**
- Dynamic at 20°C (68°F):** 15000 mPas
- Organic solvents:** 0.0 %
- Water:** 50.0 %
- . **Solids content:** 50.0 %

**10 Stability and reactivity**

- . **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- . **Dangerous reactions** No dangerous reactions known.
- . **Dangerous products of decomposition:** No dangerous decomposition products known.

**11 Toxicological information**

- . **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.

**12 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.

**13 Disposal considerations**

- . **Product:**
- . **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.

(Contd. on page 4)

USA

**Material Safety Data Sheet**

acc. to ISO/DIS 11014

Printing date 09/10/2009

Reviewed on 09/10/2009

**Trade name: Houtlijm ST 10 D2**

(Contd. of page 3)

**14 Transport information**

- . DOT regulations:
- . Hazard class: -
- . Land transport ADR/RID (cross-border):
- . ADR/RID class: -
- . Maritime transport IMDG:
- . IMDG Class: -
- . Marine pollutant: No
- . Air transport ICAO-TI and IATA-DGR:
- . ICAO/IATA Class: -

**15 Regulations**

- . **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)**  
All ingredients are listed.
- . **Prop 65 - Chemicals known to cause cancer**  
None of the ingredients is listed.
- . **Carcinogenicity categories**
- . **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
- . **IARC (International Agency for Research on Cancer)**  
9003-20-7 polyvinylacetaat: 3
- . **NTP (National Toxicology Program)**  
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.

**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:** R & D laboratory
- . **Contact:** M.L. de Jager
- . **\* Data compared to the previous version altered.**

- USA -