



Safety Data Sheet

acc. to OSHA HCS


Printing date 12/03/2013

Reviewed on 12/03/2013

1 Identification

- . **Product identifier**
- . **Trade name:** Car Mirror
- . **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- . **Application of the substance / the mixture** Adhesives
- . **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**
 Irritant
Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- . **Information concerning particular hazards for human and environment:**
The product has 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:**
The product has been classified and marked in accordance with directives on hazardous materials.
- . **Code letter and hazard designation of product:**
Irritant
- . **Hazard-determining components of labeling:**
hydroxypropyl methacrylate, mixture of CAS 923-26-2 and 2761-09-3
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
- . **Risk phrases:**
Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.

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Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases:

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves.

If swallowed, seek medical advice immediately and show this container or label.

Classification system:**NFPA ratings (scale 0-4)**

Health = 1

Fire = 1

Reactivity = 0

Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients**Chemical characterization: Mixtures**

Description: Adhesive

Dangerous components:

polyurethane-acrylate resin	25-50%
methacrylate with the exception of those specified elsewhere in this Annex	25-50%
923-26-2 hydroxypropyl methacrylate, mixture of CAS 923-26-2 and 2761-09-3	10-25%
42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	≤ 2.5%
79-10-7 acrylic acid	≤ 2.5%
80-15-9 α,α -dimethylbenzyl hydroperoxide	≤ 2.5%
98-82-8 isopropylbenzene	≤ 2.5%

Additional information:

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

4 First-aid measures**Description of first aid measures****After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; immediately call for medical help.**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- . **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**
Wear protective equipment. Keep unprotected persons away.
- . **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- . **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

- . **Precautions for safe handling**
No special precautions are necessary if used correctly.
- . **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.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Keep receptacle tightly sealed.
- . **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:**
80-15-9 α,α -dimethylbenzyl hydroperoxide
WEEL () Long-term value: 6 mg/m³, 1 ppm
Skin

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. 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.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

. Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Suitable respiratory protective device recommended.

. Protection of hands:

Protective 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

. 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: Use protective suit.

*** 9 Physical and chemical properties****. Information on basic physical and chemical properties****. General Information****. Appearance:**

Form: Fluid

Color: According to product specification

Odor: Characteristic

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. Odour threshold:	Not determined.
. pH-value:	Not determined.
. Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	240 °C (464 °F)
. Flash point:	> 55 °C (> 131 °F)
. Flammability (solid, gaseous):	Not applicable.
. Ignition temperature:	374.0 °C (705 °F)
. 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 determined.
. Density at 20 °C (68 °F):	1.1 g/cm ³ (9.18 lbs/gal)
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	Not determined.
. Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
. Partition coefficient (n-octanol/ water):	Not determined.
. Viscosity:	
Dynamic at 20 °C (68 °F):	2200 mPas
Kinematic:	Not determined.
Organic solvents:	0.3 %
Solids content:	78.8 %
. 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: Danger of toxic pyrolysis products.

* 11 Toxicological information

- . Information on toxicological effects
- . Acute toxicity:
- . Primary irritant effect:
- . on the skin: Irritant to skin and mucous membranes.
- . on the eye: Irritating effect.

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- . **Sensitization:** Sensitization possible through skin contact.
- . **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- . **Carcinogenic categories**
- . **IARC (International Agency for Research on Cancer)**
79-10-7 acrylic acid: 3
- . **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.
- . **Ecotoxicological effects:**
- . **Remark:** Harmful to fish
- . **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.
Harmful to aquatic organisms
- . **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:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- . **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

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- . **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)**
 - 79-10-7 acrylic acid
 - 80-15-9 α,α -dimethylbenzyl hydroperoxide
 - 98-82-8 isopropylbenzene
- . **TSCA (Toxic Substances Control Act)**
 - 923-26-2 hydroxypropyl methacrylate, mixture of CAS 923-26-2 and 2761-09-3
 - 40008-96-6 acrylate polymer
 - 42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
 - 79-10-7 acrylic acid
 - 80-15-9 α,α -dimethylbenzyl hydroperoxide
 - 114-83-0 2'-phenylacetohydrazide
 - 98-82-8 isopropylbenzene
- . **Prop 65 - Chemicals known to cause cancer**
 - 98-82-8 isopropylbenzene
- . **Carcinogeny categories**
- . **EPA (Environmental Protection Agency)**
 - 98-82-8 isopropylbenzene: CBD
- . **TLV (Threshold Limit Value established by ACGIH)**
 - 79-10-7 acrylic acid: A4
- . **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:**
The product has been classified and marked in accordance with directives on hazardous materials.

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- . **Hazard symbols:**
Irritant
- . **Hazard-determining components of labeling:**
hydroxypropyl methacrylate, mixture of CAS 923-26-2 and 2761-09-3
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
- . **Risk phrases:**
Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- . **Safety phrases:**
Keep out of the reach of children.
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable gloves.
If swallowed, seek medical advice immediately and show this container or label.
- . **National regulations:**
- . **Technical instructions (air):**
- . **Class Share in %**
 - . I ≤ 2,5
 - . NK ≤ 2,5
- . **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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