



# Material Safety Data Sheet

acc. to ISO/DIS 11014

**MERECO**

Printing date 06/24/2005

Version 1

Reviewed on 06/23/2005

## 1 Identification of substance

- **Trade name:** **Mereco CLN-893**
- **Application of the substance / the preparation** Adhesives
- **Manufacturer/Supplier:** Mereco Division  
Metachem Resins Corporation  
1505 Main Street  
West Warwick, RI 02893  
USA Phone +1 / 401 / 822-9300
- **Information department:** Technical department.
- **Emergency information:** Telephone: (401) 822-9300

## 2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· <b>Components:</b>	
Acrylate, Oligomer or Monomer	Xi; R 36/38
Photoinitiator	Xn; R 22

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- **Hazard description:** Xi Irritant
- **Information pertaining to particular dangers for man and environment:** The product has to be labelled due to the calculation procedure of international guidelines.  
R 36/38 Irritating to eyes and skin.
- **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 = 2  
Fire = 1  
Reactivity = 1
- **HMIS-ratings (scale 0 - 4)** Health = 2  
Fire = 1  
Reactivity = 1

## 4 First aid measures

- **After inhalation:** In case of unconsciousness place patient in a stable side position for transportation.  
Supply fresh air.

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- **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:** If symptoms persist consult doctor.
- **Information for doctor:**
  - **The following symptoms may occur:** Headache

## 5 Fire fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions:** Mouth respiratory protective device.  
Ensure adequate ventilation
- **Measures for environmental protection:** 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).  
Ensure adequate ventilation.

## 7 Handling and storage

- **Handling:**
  - **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Use only in well ventilated areas.
  - **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.

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· **Further information about storage conditions:**

Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.  
Protect from exposure to the light.

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## 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:**

<b>Monomer blend</b>	
TLV	Short-term value: 5 mg/m <sup>3</sup>

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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.

· **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 is based on consideration of the penetration times, rates of diffusion and the degradation of the material.

· **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 penetration time has to be determined by the glove manufacturer and has to be observed.

· **Eye protection:**

Tightly sealed goggles

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## 9 Physical and chemical properties

· **General Information**

· <b>Form:</b>	Liquid
· <b>Color:</b>	Amber colored

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· <b>Odor:</b>	Ester-like
· <b>Change in condition</b>	
· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	94°C
· <b>Auto igniting:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20°C:</b>	1.10 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Not miscible or difficult to mix.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Dangerous reactions**
    - Reacts with amines.
    - Reacts with strong acids and oxidizing agents.
    - Reacts with peroxides and other radical forming substances.
    - Photoreactive.
  - **Dangerous products of decomposition:**
    - Nitrogen oxides
    - Irritant gases/vapors
    - Carbon monoxide and carbon dioxide
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## 11 Toxicological information

- **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** Irritant to skin and mucous membranes.
    - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
    - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Irritant
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## 12 Ecological information

- **General notes:**
  - Water hazard class 2 (Self-assessment): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.

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 Danger to drinking water if even small quantities leak into the ground.
 

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## 13 Disposal considerations

- **Product:**

- **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.

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## 14 Transport information

· <b>DOT regulations:</b>	
· <b>Hazard class:</b>	- Not Regulated
· <b>Proper shipping name (technical name):</b>	Not Regulated
· <b>Land transport ADR/RID (cross-border):</b>	
· <b>ADR/RID class:</b>	- Not Regulated
· <b>Maritime transport IMDG:</b>	
· <b>IMDG Class:</b>	- Not Regulated
· <b>Marine pollutant:</b>	No
· <b>Air transport ICAO-TI and IATA-DGR:</b>	
· <b>ICAO/IATA Class:</b>	- Not Regulated

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## 15 Regulations

- **Sara**

· <b>Section 355 (extremely hazardous substances):</b>		
None of the ingredients is listed.		
· <b>Section 313 (Specific toxic chemical listings):</b>		
None of the ingredients is listed by CAS number.		
· <b>Sections 311/312 (Specific hazard chemical listings):</b>		
Oligomer Blend		
Monomer blend		
· <b>Sections 311/312 Hazard Categorizations:</b>		
Oligomer Blend	A=Acute; C=Chronic; R=Reactive	20-50%
Monomer blend	A=Acute; C=Chronic; R=Reactive	20-50%
· <b>TSCA (Toxic Substances Control Act):</b>		
All ingredients are listed.		

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· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity:**

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)**

None of the ingredients is listed.

· **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:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Xi Irritant

· **Risk phrases:**

36/38 Irritating to eyes and skin.

· **Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 37 Wear suitable gloves.  
 60 This material and its container must be disposed of as hazardous waste.

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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.

· **Relevant R-phrases**

22 Harmful if swallowed.  
 36/38 Irritating to eyes and skin.

· **Department issuing MSDS:**

Technical department.

· **Contact:**

Dr. John F. Plummer