

# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing date 11/13/2014

Reviewed on 11/13/2014

## 1 Identification

- **Product identifier**
- **Trade name: Sure Seal**
- **Product description** Open cell polyurethane foam tape that is impregnated with an acrylic resin.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Denarco Inc.  
301 Industrial Drive  
Constantine, MI 49042  
Phone: 269-435-8404  
Fax: 269-435-8404
- **Emergency telephone number:** Andrew Harr 248-890-5040

## \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

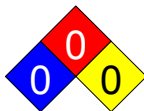
Carc. 2 H351 Suspected of causing cancer.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
ethyl acrylate
- **Hazard statements**  
Suspected of causing cancer.
- **Precautionary statements**  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0  
FIRE 0 Fire = 0  
REACTIVITY 0 Reactivity = 0

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**\* 3 Composition/information on ingredients**

	Michem Emulsion 71731	25-50%
9009-54-5	Polyurethane Foam	

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

· **Dangerous Components:**

140-88-5	ethyl acrylate	15-35%
	<ul style="list-style-type: none"> <li>⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</li> </ul>	

· **Additional information:**

This product is an open cell polyurethane foam tape that is impregnated with an acrylic resin. Once the acrylic resin has cured, the finished product represents no health hazards under 29 CFR 1900.1200 section (g).

**\* 4 First-aid measures**

- **Description of first aid measures**
- **After inhalation:** Not a normal route of entry.
- **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:**  
Not a normal route of entry, however, should the product be ingested, seek immediate medical attention.
- **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:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** Dense smoke and irritating fumes.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container. Dispose contaminated material as waste according to section 13.
- **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**  
Precautions should be taken to avoid allowing any of the silicone-coated release paper which is ordinarily removed from the subject pressure sensitive tape to accumulate on the floor of the work area. THE

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PRESENCE OF MULTIPLE LAYERS OF RELEASE PAPER IS A SERIOUS HAZARD BECAUSE OF ITS LOW COEFFICIENT OF FRICTION. Serious injuries can result from falls, particularly by those who are unaware of the hazard.

- **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:** 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 section 7.
- **Control parameters**

· **Components with occupational exposure limits:**

#### 140-88-5 ethyl acrylate

PEL	Long-term value: 100 mg/m <sup>3</sup> , 25 ppm Skin
REL	See Pocket Guide App. A
TLV	Short-term value: 61 mg/m <sup>3</sup> , 15 ppm Long-term value: 20 mg/m <sup>3</sup> , 5 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.

### \* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** Flexible Solid
  - **Color:** Dark grey
  - **Odor:** Odorless
  - **Odor threshold:** Not determined.
  - **pH-value:** Not determined.
- **Change in condition**
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
  - **Decomposition temperature:** Not determined.

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- **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:**
  - 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:** Not determined.
  - Kinematic:** Not determined.
- **Other information** No further relevant information available.

**\* 10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
If heated to the point of thermal decomposition, oxides of carbon and nitrogen, aldehydes, dense smoke and irritating fumes may be generated.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Avoid heat, flame and high temperatures.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**140-88-5 ethyl acrylate**

Oral	LD50	800 mg/kg (rat)
Dermal	LD50	1834 mg/kg (rabbit)
Inhalative	LC50/4 h	2180 mg/l (rat)

- **Primary irritant effect:**
  - **on the skin:** No irritating effect.
  - **on the eye:** Mild irritant effect.
- **Sensitization:**  
Sensitization possible through skin contact.  
If redness or irritation of the skin occurs in workers having direct contact with the adhesive, those individuals affected should be assigned to other duties. Such reactions would occur rarely, if at all.

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**· 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)**

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

140-88-5	ethyl acrylate	2B
<b>· NTP (National Toxicology Program)</b>		
140-88-5	ethyl acrylate	R
<b>· OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients are 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.**· 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:**

Observe all federal, state and local environmental regulations when disposing of this material.

**· Uncleaned packagings:****· Recommendation:** Disposal must be made according to official regulations.**14 Transport information****· UN-Number****· DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material**· UN proper shipping name****· DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material**· Transport hazard class(es)****· DOT, ADR, ADN, IMDG, IATA****· Class** Non-Regulated Material**· Packing group****· DOT, ADR, IMDG, IATA** Non-Regulated Material**· Environmental hazards:****· Marine pollutant:** No

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- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

**\*15 Regulatory information**

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

· <b>Section 355 (extremely hazardous substances):</b>
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None of the ingredients are listed.
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· <b>Section 313 (Specific toxic chemical listings):</b>
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140-88-5 ethyl acrylate
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· <b>TSCA (Toxic Substances Control Act):</b>
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140-88-5 ethyl acrylate
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7732-18-5 water, distilled, conductivity or of similar purity
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· <b>Proposition 65</b>
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· <b>Chemicals known to cause cancer:</b>
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140-88-5 ethyl acrylate
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· <b>Chemicals known to cause reproductive toxicity for females:</b>
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None of the ingredients are listed.
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· <b>Chemicals known to cause reproductive toxicity for males:</b>
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None of the ingredients are listed.
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· <b>Chemicals known to cause developmental toxicity:</b>
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None of the ingredients are listed.
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· <b>Carcinogenic categories</b>
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· <b>EPA (Environmental Protection Agency)</b>
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None of the ingredients are listed.
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· <b>TLV (Threshold Limit Value established by ACGIH)</b>
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140-88-5 ethyl acrylate	A4
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· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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140-88-5 ethyl acrylate
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· <b>GHS label elements</b>
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The product is classified and labeled according to the Globally Harmonized System (GHS).
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· <b>Hazard pictograms</b>
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GHS08

· <b>Signal word</b> Warning
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· <b>Hazard-determining components of labeling:</b>
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ethyl acrylate
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· <b>Hazard statements</b>
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Suspected of causing cancer.
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**Precautionary statements**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

**State Right to Know**

	Michem Emulsion 71731	25-50%
140-88-5	ethyl acrylate ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	15-35%
9009-54-5	Polyurethane Foam	
All ingredients are listed.		

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision** 11/13/2014 / 1

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

**\* Data compared to the previous version altered.**

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