

Printing date 06/20/2005

Reviewed on 06/21/2004

## 1 Identification of substance

- **Product details**
- **Trade name:** 16015-16728 Sure Coat
- **Article number:** 16015-16728
- **Manufacturer/Supplier:**  
SEM Products, Inc.  
651 Michael Wylie Dr.  
Charlotte, NC 28217  
USA  
(704)522-1006
- **Information department:** 24HR EMERGENCY CHEMTREC 800-424-9300

## 2 Composition/Data on components

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

- **Dangerous components:**

872-50-4	N-methyl-2-pyrrolidone	2.5-10%
107-98-2	1-methoxy-2-propanol	2.5-10%
84-74-2	dibutyl phthalate	≤ 2.5%

## 3 Hazards identification

- **Hazard description:**



Toxic

- **Information pertaining to particular dangers for man and environment:**  
The product has to be labelled due to the calculation procedure of international guidelines.  
May cause harm to the unborn child.  
Irritating to eyes, respiratory system 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)**

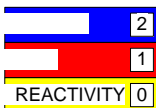


Health = 2

Fire = 1

Reactivity = 0

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



Health = 2

Fire = 1

Reactivity = 0

## 4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

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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.

## 5 Fire fighting measures

- **Suitable extinguishing agents:** FOAM, CO2, DRY CHEMICAL
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
During heating or in case of fire poisonous gases are produced.
- **Protective equipment:** Mouth respiratory protective device.

## 6 Accidental release measures

- **Person-related safety precautions:** Mount respiratory protective device.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **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.

## 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:**

### 107-98-2 1-methoxy-2-propanol

REL	Short-term value: 540 mg/m <sup>3</sup> , 150 ppm Long-term value: 360 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 553 mg/m <sup>3</sup> , 150 ppm Long-term value: 369 mg/m <sup>3</sup> , 100 ppm

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**84-74-2 dibutyl phthalate**PEL 5 mg/m<sup>3</sup>REL 5 mg/m<sup>3</sup>TLV 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.

Store protective clothing separately.

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 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:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Fluid liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 120°C (248°F)

· **Flash point:** 62°C (144°F)

· **Ignition temperature:** 270.0°C (518°F)

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- |  |   |
|--|---|
| · <b>Auto igniting:</b>                          | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                    | Product does not present an explosion hazard. |
| · <b>Vapor pressure at 20°C (68°F):</b>          | 23.0 hPa (17 mm Hg)                           |
| · <b>Density at 20°C (68°F):</b>                 | 1.06 g/cm <sup>3</sup>                        |
| · <b>Solubility in / Miscibility with Water:</b> | Fully miscible.                               |
| · <b>Solvent content:</b>                        |   |
| Organic solvents:                                | 13.8 %  |
| Water:   | 21.5 %  |
| VOC content:                                     | 13.8 %  |
|  | 146.0 g/l / 1.22 lb/gal                       |
| · <b>Solids content:</b>                         | 31.7 %  |

## 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:**

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

### 84-74-2 dibutyl phthalate

Oral	LD50	8000 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:**

Irritant to skin and mucous membranes.  
moderate skin irritant

- **on the eye:**

Irritating effect.  
moderate eye irritant

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

## 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.

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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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 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 ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

872-50-4 N-methyl-2-pyrrolidone

84-74-2 dibutyl phthalate

- **TSCA (Toxic Substances Control Act):**

7732-18-5 water, distilled, conductivity or of similar purity

872-50-4 N-methyl-2-pyrrolidone

107-98-2 1-methoxy-2-propanol

84-74-2 dibutyl phthalate

57-55-6 propane-1,2-diol

124-68-5 2-amino-2-methylpropanol

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

872-50-4 N-methyl-2-pyrrolidone

- **Carcinogenity categories**

- **EPA (Environmental Protection Agency)**

84-74-2 dibutyl phthalate

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· **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.

· **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:**

Toxic

· **Hazard-determining components of labelling:**

dibutyl phthalate

· **Risk phrases:**

May cause harm to the unborn child.

Irritating to eyes, respiratory system and skin.

· **Safety phrases:**

Avoid exposure - obtain special instructions before use.

Keep locked up and out of the reach of children.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 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:** Environment protection department.

· **Contact:** Mr. George Wallace