

# Material Safety Data Sheet

HMIS Rating: Health = 1, Flammability = 0, Reactivity = 0

#265

## SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION (0668A)

Manufacturer's Name <b>HILLYARD INDUSTRIES</b> Address <b>302 North Fourth Street St. Joseph, MO 64502</b>	Product Name <b>SEALTITE</b> Date Prepared <b>March 13, 1991</b>
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Prepared by Regulatory Affairs Department

Emergency Telephone No.: CHEMTREC (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)  
 Other Information Calls (816) 233-1321 (Ext. 303)

## SECTION II — INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
<b>Part A:</b>					
Water (a & b)	7732-18-5	none	none	N/A	---
Acrylic polymer emulsion (a & b)	unknown to Hillyard	not est.	not est.	N/A	---
Waterborne urethane (a & b)	unknown to Hillyard	not est.	not est.	N/A	---
Polyethylene emulsion (a & b)	unknown to Hillyard	not est.	not est.	N/A	---
<b>Part B:</b>					
Water (a & b)	7732-18-5	none	none	N/A	---
Epoxy resins (a & b)	26142-30-3 & 25085-99-8	none	none	N/A	---
Gamma-butyrolactone (a & b)	96-48-0	none	none	N/A	---
Diepoxide pyrol (a & b)	unknown to Hillyard	none	none	N/A	---

Regulated by (a) New Jersey; (b) Pennsylvania.

V.O.C. = Less than 200 grams/liter

## SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	A 209°F B 204°F	Specific Gravity (H <sub>2</sub> O = 1)	A 1.03 B 1.06
Vapor Pressure (mm Hg.)	A 17.6 B 17.1 ± 0.7	Percent Volatile By Volume (%)	A 73.79 B 51.6
Vapor Density (Air = 1)	A 0.66 B 0.79	Evaporation Rate - A, B, A & B (ethyl ether = 1)	slower than 1
Solubility in Water	A, A & B complete B appreciable	Appearance and Odor	A, A & B - milky white liquid; non-objectionable odor; B - white emulsion

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) A, B, A & B none (T.C.C.)	Flammable Limits	LEL not deter.	UEL N/A
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Extinguishing Media  
Carbon dioxide, dry chemical, fog or water spray

Special Fire Fighting Procedures  
Self-contained breathing apparatus with full facepiece operated in pressure demand or other pressure mode.

Unusual Fire and Explosion Hazards  
May form carbon dioxide and carbon monoxide.

## SECTION V — PHYSICAL HAZARDS

Stability Unstable  Conditions to Avoid N/A  
 Stable

Incompatibility (Materials to Avoid)  
fire and excess heat; strong acids

Hazardous Decomposition Products Or Byproducts  
Carbon monoxide, carbon dioxide and products of combustion of organic material

Hazardous Polymerization May Occur  Conditions To Avoid N/A  
 Will Not Occur

#265, Sealtime

SECTION VI - HEALTH HAZARD DATA

3/13/91

Route(s) of Entry: Inhalation? yes Skin? yes Ingestion? no (A or B)

Health Hazards (1. Acute and 2. Chronic) 1. (A, A & B) Not eye or skin irritant per FHSA. Contact may produce slight eye irritation but complete recovery was obtained in 48 hours. Skin contact may induce moderate irritation.

2. Epoxy resins are capable of causing sensitization of skin; sensitivity varies from person to person (Part B).

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes No I.A.R.C. Monographs Yes No OSHA Yes No

Signs and Symptoms of Exposure Inhalation of mist may cause respiratory tract irritation. Eye contact may cause slight irritation. Contains less than 0.9% 2-Pyrrolidone, 1 methyl (CAS # 872-50-4); high oral dose levels in female rats caused maternal fetotoxicity. Dermal study of this chemical was embryo/toxic at very high levels in rats (attributed to maternal toxicity).

Medical Conditions Generally Aggravated by Exposure Epoxy resins are capable of causing sensitization of skin; sensitivity varies from person to person (Part B). Not orally toxic at 5 g/kg. nor toxic by inhalation at 9.2 mg/ml. on rats (Part A, A & B).

Emergency and First Aid Procedures If exposed to high concentrations of vapor remove to fresh air; if breathing difficulty persists call a physician. In case of contact, immediately flush eyes with plenty of water for 15 minutes. Remove material from skin and clothing.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled Dike spilled area and add absorbent earth, sand, or sawdust to spilled liquid. Keep out of sewers.

Waste Disposal Method Collect absorbent/spilled mixture into metal containers. Dispose of in accordance with local, state and federal regulations. Incinerate in approved facility.

Precautions To Be Taken In Handling And Storing Keep containers closed tightly when not in use. Store in cool, well-ventilated areas away from heat and out of direct sunlight. Protect from freezing.

Other Precautions Avoid prolonged breathing of vapor or spray mist. Avoid prolonged or repeated contact with skin. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Sec. 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type) If sprayed use respirator MESA/NIOSH approved for mist and organic vapor. None normally needed.

Ventilation Local Exhaust Mechanical (General) Special Other N/A adequate ventilation required N/A N/A

Protective Gloves, recommended Eye Protection chemical goggles

Other Protective Clothing Or Equipment To prevent repeated or prolonged contact, wear impervious clothing and boots.

Work/Hygienic Practices Wash hands before eating or using washroom.

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