Material Safety Data Sheet

HMIS Ratings: Health = 0, Flammability = 0, Reactivity = 0 #341

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION (0617A)

Manufacturer's Name	HILLYARD INDUSTRIES	Product Name	SEAL 341
Address	302 North Fourth Street St. Joseph, MO 64502	Date Prepared	January 18, 1991
Emergency Telephone No. And Other Information Calls	CHEMTREC: (800) 424-9300 (816) 233-1321	Prepared by	Regulatory Affairs Department

SECTION II — INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity: Common Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Zinc oxide	1314-13-2	5 mg/M^3	5 mg/M^3	N/A	0.2-0.5
Water (a & b)	7732-18-5	none	none	N/A	---
Acrylic copolymer (a & b)	unknown to Hillyard	not est.	not est.	N/A	---
Styrene acrylic emulsion (a & b)	unknown to Hillyard	not est.	not est.	N/A	---
Tributoxyethyl phosphate (a & b)	78-51-3	not est.	not est.	N/A	---
Diethylene glycol monoethyl ether* (a & b)	111-90-0	not est.	not est.	N/A	1-2
Diethylene glycol mono methyl ether* (a & b)	111-77-3	not est.	not est.	N/A	1-2

* This product contains the following chemicals subject to reporting requirements of SARA Title III, Sec. 313, and 40 CFR Part 372: Diethylene glycol monoethyl ether and Diethylene glycol mono methyl ether.

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

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (739 mm Hg.) corr.	198.26°F	Specific Gravity (H_2O = 1)	25°C 1.055 39°C 1.05
Vapor Pressure (mm Hg.)	21.1	Percent Volatile By Volume (%)	avg. 77.8
Vapor Density (AIR = 1)	1.1	Evaporation Rate (ethyl ether = 1)	slower than 1
Solubility in Water	appreciable	Appearance and Odor	milky emulsion; non-objectionable odor

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SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
none (T.C.C.)		N/A	N/A

Extinguishing Media
N/A

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
Material may spatter if temperature exceeds boiling point. Polymer film can burn.

SECTION V — PHYSICAL HAZARDS

Stability: Unstable ☐ Stable ☒ Conditions to Avoid: N/A

Incompatibility (Materials to Avoid)
None known.

Hazardous Decomposition Products Or Byproducts
Thermal decomposition may yield acrylic monomers (avoid temperatures above 177°C/350°F). Thermal decomposition is dependent on time and temperature.

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

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SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards (1. Acute and 2. Chronic)
1. Mild eye irritation
2. None known

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
None known

Medical Conditions Generally Aggravated by Exposure
None known

Emergency and First Aid Procedures
If splashed into eyes flush with water for 15 minutes; if irritation persists get medical attention.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled
Pick up with mop or wet vac and wash away with water. Ventilate area of spill or leak. Transfer liquids and diking material to separate suitable containers for recovery or disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal Method
Spills should be picked up with wet vac or absorbent material. Dispose of liquid per federal, state and local regulations. Waste from normal product use may be sewered to a public-owned treatment works (POTW) in compliance with applicable federal, state and local requirements.

Precautions To Be Taken In Handling And Storing
Freezing of product may rupture container. Product shelf life is best retained by storage at 45-100°F temperatures.

Other Precautions
Inhalation exposure to spray mist should be maintained at less than 10 mg/M^3 per eight hour exposure (TWA limit est. for nuisance dust).

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
	not required	suggested	N/A	N/A

Protective Gloves: none required for brief contact

Eye Protection: chemical goggles (contact may cause pain, though it is unlikely to cause injury)

Other Protective Clothing Or Equipment
Use good personal hygiene procedures.

Work/Hygienic Practices
Do not take internally; wash contaminated clothing before reuse.