

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 0 Flammability = 0 Reactivity = 0

HMIS RATING: Health = 0 Flammability = 0 Reactivity = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION

Distributed by: HILLYARD INDUSTRIES

Address: 302 North Fourth Street

St. Joseph, MO 64501

Product Name: ZIZ-O

Date Prepared: April 13, 2010 (version 2)

Prepared by: Regulatory Affairs Department

Emergency Telephone No.: (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. 8285)

<http://www.hillyard.com>**SECTION II – INGREDIENTS/IDENTITY INFORMATION****Components**

(Specific Chemical Identity:

Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Silicone Dioxide	68476-25-5	not established for paste	not established for paste	N/A	---
Deionized Water	7732-18-5	none	none	N/A	---
Anhydrous Soap	8052-48-0	N/E	N/E	N/A	---
Sodium Tetraborate Decahydrate	497-19-8	none	none	N/A	---

***SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS**Boiling Point: not established Specific Gravity (H₂O = 1): 25°C = not est. *Density = not est.

Vapor Pressure (mm Hg.): not established Percent Volatile by Volume (%): not established

Vapor Density (AIR = 1): not established Evaporation Rate (ethyl ether = 1): not established

Solubility in Water: miscible Appearance and Odor: Pink odorless paste

*pH (concentrate) = 7.5 – 8.5

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None (T.C.C.)

Flammable Limits: LEL = N/A UEL = N/A

Extinguishing Media: Any media suitable for adjacent fire.

Special Fire Fighting Procedures: None known to Hillyard

Unusual Fire and Explosion Hazards: None known to Hillyard

SECTION V – PHYSICAL HAZARDS

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition Products or Byproducts: None known

Hazardous Polymerization: Will not occur Conditions to Avoid: N/A

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? No Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Not a skin or eye irritant per FHSA Method 16 CFR 1500; prolonged contact with eyes may cause minor physical irritation. Ingredients used to make product are not acutely toxic. Ingredients are not acutely toxic by inhalation

2. None known to manufacturer.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

***SECTION VI – HEALTH HAZARD DATA cont.**

Signs and Symptoms of Exposure: Prolonged contact may be mildly irritating to eye tissue if not removed. Ingestion may cause nausea.

Medical Conditions Generally Aggravated by Exposure: None known by manufacturer.

Emergency and First Aid Procedures: Eyes: In case of contact, immediately flush eyes with large quantities for a minimum of 15 minutes, lifting upper and lower lids occasionally. Call a physician if irritation persists. ***Ingestion:** Drink large quantities of water. Do not induce vomiting.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Paste/Gel products may cause a slippery surface if accidentally spilled on floor. Wipe up with cloth or pick up with mop or wet vac and wash away with water.

Waste Disposal Method: Wash down sewer with large quantity of water.

Precautions To Be Taken In Handling And Storing: Protect from Freezing. Product shelf life is best retained by storage at 45-100°F temperatures.

Other Precautions: Keep out of reach of children. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 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): Not required

Ventilation:

Local Exhaust = Not required **Mechanical (General) =** N/A **Special =** N/A **Other =** N/A

Protective Gloves: Use good hygiene procedures. No gloves required. **Eye Protection:** None required

Other Protective Clothing or Equipment: None required

Work / Hygienic Practices: Wash contaminated clothing before reuse.

SECTION IX – TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no ; IMCO = no; IATA = no

Proper shipping name: Cleaning Compound

UN No.: not applicable **Limited Qty.:** not applicable **Hazard Class:** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste number / code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity =** applicable ; **Reactivity =** not applicable.

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