

**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****Manufactured for:** HILLYARD INDUSTRIES**Product Name:** ZIZ-O**Address:** 302 North Fourth Street**Date Prepared:** March 15, 2004

St. Joseph, MO 64501

**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:**

<b>Common Name(s)</b>	<b>CAS#</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMENDED</b>	<b>%</b>
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	not established	not established	N/A	---
Sodium Tetraborate Decahydrate	497-19-8	none	none	N/A	---

**SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS****Boiling Point:** not established **Specific Gravity (H<sub>2</sub>O = 1):** 25°C = not established & 39°C = 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**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:** In case of contact, immediately flush eyes with plenty of water. Call a physician if irritation persists. Skin: Follow good hygiene practices and wash away with soap and water. Ingestion: seek medical advice.

## 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:** None required with normal use but a good hygiene procedure.    **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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