

# BRODI SPECIALTY PRODUCTS LTD.

## MATERIAL SAFETY DATA SHEET

### SECTION I · PRODUCT IDENTIFICATION

**Product Name:** Zyp Bulk

**Product Number:** 2-875

**Product Type:** Liquid

**Supplier's Name:** Brodi Specialty Products Ltd.

**Supplier's Address:** 3175 14th Ave. Unit 1 Markham, ON, L3R 0H1

**TDG:** Flammable Liquid n.o.s.(Isopropanol),Class 3,UN1993,PGIII **WHMIS:** Class B- Div 2; Class D- Div 2B

**Prepared By:** MSDS Co-ordinator, (877) 744-0751 ext 205, Brodi Specialty Products Ltd

**Formula:** Proprietary

**Date Prepared:**December 1, 2011 D-1

**Emergency Phone:** (613) 996-6666

**Information Phone:** 1-(877) 744-0751

**HMIS Rating** (Based on Aerosol Conc.):

0-Minimal 1- Slight 2- Moderate

3- Serious 4- Extreme

HEALTH: 1 FIRE: 2 REACTIVITY: 1

**Personal Protection :** None

### SECTION II · HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	%WT	TWA/TLV	LD 50	LC 50
Ethyl Alcohol	64-17-5	60-80	1000 ppm	7060 mg/kg Oral Rat	31623 ppm Rat 4Hr
Polyalkylene Glycol	9038-95-3	20-40	N/D	N/D	N/D

### SECTION III · PHYSICAL DATA

Boiling Point: 69° C

pH: N/A

Solubility In Water: Complete

Appearance/Odor: Clear Liquid, Alcohol Odor

Vapor Density(Air=1): >1

Specific Gravity (H<sub>2</sub>O=1)@70°F: 0.862

Total Voc %-20%

### SECTION IV · FIRE AND EXPLOSION DATA

**Flash Point** (of Concentrate Only): 4° C ( T.O.C)

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Media

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

**Unusual Fire and Explosion Hazards:** Exposure to temperature above 49° C may cause bursting.

**Flammability :** Flammable

LEL: N/D UEL: N/D

### SECTION V · REACTIVITY DATA

**Stability:** Material Stable.

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxides.

### SECTION VI · STORAGE AND HANDLING

**KEEP OUT OF REACH OF CHILDREN.**

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 49° C.

**NFPA Code 30B Rating:** Level 3 Aerosol.

### SECTION VII · HEALTH AND FIRST AID

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:**

**Eyes:** May cause slight irritation but does not injure eye tissue.

**Skin:** Frequent or prolonged contact may cause irritation.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

**Carcinogenicity** - Non hazardous by WHMIS Criteria; **Reproductive Effects** - N/D; **Teratogenicity** - N/D; **Mutagenicity** - N/D; **Synergistic Material** - N/D

**FIRST AID PROCEDURES:**

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**Skin:** Wash with soap and water. If irritation persists seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

### SECTION VIII · SPECIAL PROTECTION DATA

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Ventilation:** Provide local exhaust.

**Protective Gloves:** None needed for proper use in accordance with label directions.

**Eye Protection:** None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses.

### SECTION IX · SPILL OR LEAK PROTECTION

**STEPS TO BE TAKE IN CASE OF SPILL OR LEAK:** Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, Provincial and local laws.

**WASTE DISPOSAL METHOD:** Consult Federal, Provincial and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstances. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.