PRODUCT NAME: BOWLAIDE

PRODUCT NUMBER: 201004

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### **MATERIAL SAFETY DATA SHEET**

Per 29 CFR 1910.1200 DATE PREPARED: 1/1/90

**SECTION I.** 

**BRULIN & COMPANY. INC.** P.O. BOX 270, INDIANAPOLIS, IN 46206-0270 (317) 923-3211

WEST COAST FACTORY SOUTHEASTERN FACTORY

Richmond, California Tampa, Florida

24 HOUR EMERGENCY NUMBER
\_ CHEMTREC 1-800-424-9300 \_\_\_\_\_

Health: 3

IDENTITY (As listed on label): HMIS HAZARD RATINGS: Flammability: 0

BOWLAIDE Reactivity: 0

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components
(Specific Chemical Identity: Common Name(s)

CAS #

OSHA PEL

ACGIH

OTHER LIMITS

RECOMMENDED PERCENT

\* Hydrochloric Acid, Muriatic Acid 7647-01-0 5 PPM 5 PPM None 23.5

SECTION 313 SUPPLIER NOTIFICATION

The toxic chemical(s) listed above which are marked with an (\*) are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

#### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 F Specific Gravity (H2O=1): 1.12

Vapor Pressure (mm Hg): Approx. 17 @ 68 F Melting Point: Approx. 30 F

Vapor Density (Air=1): Greater than 1 Evaporation Rate (water=1): 1.0

Solubility in Water: Complete

Appearance and Odor: White opaque liquid, sharp odor

# **SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): None

Flammable Limits LEL None UEL None

Extinguishing Media: Water fog, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Wear full protective clothing and self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Reacts with active metals such as aluminum, zinc, magnesium, etc. to

produce flammable hydrogen gas.

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### **SECTION V - REACTIVITY DATA**

Stability Unstable \_\_\_ Stable \_X\_

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Strong alkalis, active materials Hazardous Decomposition or Byproducts: Hydrogen chloride

Hazardous Polymerization: May Occur \_\_\_ May Not Occur \_\_X\_

Conditions to Avoid: None

### **SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry: Ingestion? Yes Skin? Yes Inhalation? Yes Eyes?

Health Hazards (Acute and Chronic): Ingestion - May cause severe burns of the mucous membranes of the mouth, esophagus, and stomach. May be fatal in severe cases. Inhalation - Acute overexposure may cause severe irritation of the upper respiratory tract. If inhaled deeply, edema of the lungs may occur. Skin - Direct contact with concentrated solutions may cause skin burns. Chronic exposure may result in dermatitis. Eyes - Contact with liquid or vapors may cause severe irritation or even burns. Permanent damage or even blindness may result if not treated quickly.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: Ingestion causes pain in the throat and stomach. The lips and mouth

usually turn white, and later brown. There may be difficulty in swallowing, nausea, and vomiting. In severe cases, collapse and unconsciousness may occur. Eye contact with the liquid or vapors may cause painful burns. Skin contact may cause severe irritation seen as redness. Inhalation may cause coughing, burning of the throat, and a choking sensation.

Medical Conditions Generally Aggravated by Exposure: None known

Emergency & First Aid Procedures:

Eye Contact: Flush with large quantities of water for 15 minutes lifting upper and lower lids occasionally.

Call physician.

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult.

Skin Contact: Wash with mild soap and water. Remove contaminated clothing and launder before reuse. Ingestion: DO NOT INDUCE VOMITING. If conscious, give large quantities of water or milk. Get

immediate medical attention.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Small Spill: Cover spill with soda ash to neutralize and flush with plenty of water. Large Spill: Wear full protective clothing and boots. Contain spill to prevent contamination of waterways. Ventilate the area well and pump into containers for reclamation or disposal. Neutralize residues with soda ash or lime and flush with plenty of water.

Waste Disposal Method: Dispose according to Federal, State and Local laws and 40 CFR.

Precautions to be Taken in Handling and Storing: Keep containers closed when not in use and store in a cool, dry place.

## **SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type): If TLV is exceeded, use a NIOSH/MSHA approved respirator suitable for acid vapor and mist. Contact your Safety Equipment Supplier for recommendations.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) to maintain exposure below TLV(s).

Protective Gloves: Impervious rubber gloves such as neoprene

Eye Protection: Goggles. Do not wear contact lenses.

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Other Protective Clothing or Equipment: As necessary to prevent skin contact. Safety showers and eye wash fountains recommended if splashing is likely to occur.

Work/Hygienic Practices: Avoid breathing vapors or spray mists.