

# MATERIAL SAFETY DATA SHEET

Effective Date: 12/01/99

## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**Product Name:** BL-1/BL-5      **Product Use:** Bubble fluid  
**T.D.G. and DOT Classification:** Not regulated  
**Manufacturer Name and Address:**

**Prepared By:** Engineering Dept.

## SECTION II - INGREDIENTS

Ingredients	CAS#	Wt%	ACGIH-TLV	LD <sub>50</sub>	LC <sub>50</sub>
Anionic/Non-ionic surfactant blend	n/a	1-5	Not applicable	Not available	Not available

## SECTION III - PHYSICAL DATA

<b>Boiling Point (deg C):</b> 100	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1.00
<b>Vapor Pressure (mm Hg):</b> As for water	<b>Solids Content (Wt %):</b> <2.5
<b>Vapor Density (Air = 1):</b> Similar	<b>Evaporation Rate (Water = 1):</b> Similar
<b>Solubility in Water:</b> Soluble	<b>pH (as supplied):</b> 7-7.5
<b>Physical State:</b> Liquid	<b>Appearance and Odor:</b> Slightly viscous liquid with no noticeable odor.

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Not applicable.  
**Flash Point (deg C, TCC):** None    **LEL** Not applicable      **UEL** Not applicable  
**Hazardous combustion products:** Not applicable.  
**Extinguishing Media:** Treat for surrounding material.  
**Special Fire Hazards:** None known to us at this time.

## SECTION V - REACTIVITY DATA

**Conditions for Chemical Instability:** Stable.  
**Incompatible Materials:** Strong oxidising agents.  
**Hazardous decomposition products:** Not applicable

## SECTION VI - TOXICOLOGICAL PROPERTIES

**Route of Entry:** Eye, skin contact, ingestion.  
**Effects of Acute Exposure:**  
**Eye:** Contact can cause mild to moderate irritation.  
**Ingestion:** May cause vomiting, headache and other medical problems.  
**Effects of Chronic Exposure:**  
**Skin:** Prolonged or repeated exposure can cause drying.  
**Carcinogenicity:** Non-hazardous by WHMIS and OSHA criteria.  
**Teratogenicity, Mutagenicity, Reproductive effects:** N/A

## SECTION VII- PREVENTATIVE MEASURES

**Protective gloves:** Not normally required.  
**Eye protection:** Not normally required.  
**Respiratory protection:** Not required.  
**Other protective equipment:** As required by employer code.  
**Engineering controls:** General ventilation normally adequate.  
**Leak and Spill Procedure:** Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
**Waste disposal:** Review federal, provincial, state and local government requirements prior to disposal.  
**Storage Requirements:** Store in a closed container. Store away from incompatible materials.

## SECTION VIII - FIRST AID

**Eye contact:** Immediately flush with water for 15 minutes. Call a doctor if irritation persists.  
**Skin contact:** Flush with water. Call a doctor if irritation develops.  
**Inhalation:** Remove to fresh air. If symptoms persist, call a doctor.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact a doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.