

# MATERIAL SAFETY DATA SHEET

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**MSDS Ref. No :** BanzAll – SMC  
**Date-Revised :** 09/20/2010  
**Revision No :** 4

## BanzAll – SMC ND

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BanzAll – SMC No Dye  
**GENERAL USE:** Metalworking Fluid  
**PRODUCT DESCRIPTION:** Synthetic metalworking coolant.  
**PRODUCT CODE:** BanzAll – SMS ND

#### SUPPLIER

Preferred Industrial  
 3160 -21331 Gordon Way  
 Richmond, British Columbia, Canada  
 V6W 1J9  
 Fax: 604-247-1610

#### EMERGENCY TELEPHONE NUMBERS

(604) 231-6030 or 1-866-522-1600

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT(S)</u>	<u>CAS</u>	<u>% BY WEIGHT</u>
Amine borate mixture - DEA free	Mixture	10-30
See Section 8 for Exposure Limits		
<b>WHMIS CLASS:</b> D2B - Toxic material		

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** This product is a water soluble liquid.

**IMMEDIATE CONCERNS:** Direct eye contact may cause temporary irritation. Short term skin contact is not expected to be irritating. Inhalation and ingestion are not anticipated routes of exposure during normal conditions of use.

#### POTENTIAL HEALTH EFFECTS

**EYES:** The product is not expected to cause eye irritation under normal conditions of use. Symptoms of mild eye irritation and redness may result upon direct contact or when exposed to high mist levels in poorly ventilated areas.

**SKIN:** May cause skin irritation.

**INGESTION:** Ingestion may cause slight stomach irritation and discomfort.

**INHALATION:** This product has low volatility and so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may irritate the upper respiratory tract with symptoms of itching eyes and nasal passages.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE EYES:

Slightly irritating, but will not injure eye tissue.

**SKIN:** Frequent or prolonged contact may irritate the skin.

**ACUTE TOXICITY:** See potential health effects section above.

**CHRONIC:** No further data known.

**CARCINOGENICITY:** This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP.

**REPRODUCTIVE TOXICITY**

**REPRODUCTIVE EFFECTS:** No further data known.

**TERATOGENIC EFFECTS:** No further data known.

**4. FIRST AID MEASURES**

**EYES:** Hold eyelids open and flush with a steady, gently stream of water for at least 15 minutes. If symptoms persist, contact a physician.

**SKIN:** Immediately wash skin with soap and plenty of water to remove product. Remove contaminated clothing. Get medical attention if symptoms of exposure persist. Wash clothing before reuse.

**INGESTION:** If ingested, dilute stomach contents with two glasses of water or milk. (Note: Do not give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously, keep airway clear. If symptoms persist, seek medical attention.

**INHALATION:** Inhalation is not an expected route of exposure. If respiratory irritation occurs, remove employee to fresh air. If symptoms persist, seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** N.Av. to N.Av.

**AUTOIGNITION TEMPERATURE:** Not

Applicable

**EXTINGUISHING MEDIA:** This product is not combustible, however, water fog, dry chemical, foam, and carbon dioxide fire extinguishers may be used in areas where it is stored.

**HAZARDOUS COMBUSTION PRODUCTS:** Combustion may produce oxides of carbon, ammonia and oxides of nitrogen, and incompletely burned hydrocarbons in the form of fumes and smoke.

**FIRE FIGHTING PROCEDURES:** The noncombustible nature of the product creates no need for special fire fighting procedures and equipment.

**SENSITIVE TO STATIC DISCHARGE:** None known

**SENSITIVITY TO IMPACT:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product, as sold, is not expected to thermally decompose. Product residue, however, may burn. A complex mixture of airborne solid, liquid, particulates and gasses may evolve.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Small volumes or residues may be soaked up with absorbent material.

**LARGE SPILL:** If possible, safely contain the spill with dikes or other spill response equipment appropriate for water-based material releases. Take measures to prevent spreading of product. Eliminate ignition sources. Prevent from entering sewers or waterways. Large volumes may be transferred to an appropriate container for proper disposal.

**7. HANDLING AND STORAGE**

**HANDLING:** As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

**STORAGE:** Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

**COMMENTS:** Do not mix with nitrites. This product contains an amine that may react under certain conditions, with nitrites to form nitrosamines.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** The TLV for metalworking fluid mists is 1 mg/m<sup>3</sup>. Good general ventilation should be sufficient. It is recommended that ventilation be designed to maintain airborne concentrations at lowest practicable levels. Ventilation should at a minimum, prevent airborne concentrations from exceeding any exposure limits listed in Section 8 of this MSDS.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

**SKIN:** Chemical resistant gloves such as nitrile or rubber are recommended to protect against exposure. Where splashing or soaking is likely, wear oil or chemical resistant clothing to prevent exposure.

**RESPIRATORY:** A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH approved respirator for the type of physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator should comply with CSA Standard Z94.4-93: Selection, Use and Care of Respirators.

**PROTECTIVE CLOTHING:** Coveralls are sufficient. **WORK HYGIENIC**

**PRACTICES:** Wash hands prior to eating or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild amine

**APPEARANCE:** Clear yellow

**pH:** 9.36 @5%

**VAPOR PRESSURE:** N. Av.

**VAPOR DENSITY:** N. Av.

**FREEZING POINT:** N. Av.

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** N Av

**SPECIFIC GRAVITY:** 1.064 to 1.074 @15.6°C

### COMMENTS:

**FREEZING POINT:** This product will freeze in temperatures below 0°C (32°F).

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Do not mix with nitrites. This product contains an amine that may react, under certain conditions, with nitrites to form nitrosamines. Avoid contact with incompatible materials and exposure to extreme temperatures.

**STABILITY:** Stable.

**POLYMERIZATION:** Product is not expected to undergo polymerization.

**HAZARDOUS DECOMPOSITION PRODUCTS:** oxides of carbon, incompletely burned hydrocarbons as fumes and smoke.

**INCOMPATIBLE MATERIALS:** This product is incompatible with strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** The product is not expected to cause eye irritation under normal conditions of use. Symptoms of temporary eye irritation and redness may result upon direct contact or when exposed to high mist levels in poorly ventilated areas.

**SKIN EFFECTS:** Short term skin contact is not expected to cause skin irritation. Prolonged or repeated direct exposure may result in symptoms of irritation and redness.

### ACUTE

**INHALATION LC50:** Product has low volatility so is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may cause temporary irritation to the upper respiratory tract.

**SENSITIZATION:** None known.

**CARCINOGENICITY:**

**CARCINOGENICITY COMMENTS:** This product is not listed as a carcinogen by IARC, NTP or OSHA.

**MUTAGENICITY:** None known.

**REPRODUCTIVE EFFECTS:** None known.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** The degree of biodegradability and persistence of this product has not been determined.

**ECOTOXICOLOGICAL INFORMATION:** This product has not been evaluated for eco-toxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Ensure that collection, transport, treatment and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**OTHER SHIPPING INFORMATION:** Not otherwise DOT regulated.

**CANADA TRANSPORT OF DANGEROUS GOODS**

**TOG NOTE:** Not Regulated by TDG.

## 15. REGULATORY INFORMATION

**CANADA**

**WHMIS HAZARD SYMBOL AND CLASSIFICATION**



**WHMIS Toxic**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product is a WHMIS controlled substance.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**COMMENTS:** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

**PREPARED BY:** Preferred Industrial

**REVISION SUMMARY** Revision\*: 3 This MSDS replaces the February 21, 2006 MSDS. Any changes in information are as follows:

Health = 1, Flammability = 0, Physical Hazard = 0, Personal Protection = X