

# MATERIAL SAFETY DATA SHEET

## BONZAI

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Bonzai  
 GENERAL/GENERIC NAME:  
 PRODUCT USE: Laundry Grease & Oil Emulsifier  
 EFFECTIVE DATE: October 6, 2011  
 VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
 24 Ronson Drive, Unit 16  
 Etobicoke, Ontario M9W 1B4  
 613-996-6666  
 24 HOUR EMERGENCY NO.

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS NO.		EXPOSURE LIMITS
Nitrilotiacetic acid, trisodium salt	10 – 30	5064-31-3	NA	Oral (LD50) Acute: 1500mg/kg (rat)
Ethoxylated fatty alcohol	10 – 30	66455-15-0	NA	NA
Diethylene glycol monobutyl ether	5 – 10	112-34-5	NA	NA
Amino-2 ethanol	1 – 5	141-43-5	NA	Oral(LD50) Acute: 1720 mg/kg(rat) 620 mg/kg (guinea pig) 1000 mg/kg (rabbit)

### SECTION 3 – HAZARDS IDENTIFICATION

**Route of Entry:**  
**Skin Contact:** May cause irritation.  
**Eye Contact:** May cause transient irritation.  
**Inhalation:** Mist may cause irritation of the respiratory tract.  
**Ingestion:** May cause irritation to digestive tract.  
**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.  
**Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use.  
**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.  
**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.  
**Note to Physician:** Risk of permanent corneal injury and possible blindness if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

PRODUCT IS: Non-flammable  
 FLASH POINT: NA  
 FLAMMABLE LIMITS: NA  
 AUTO-IGNITION TEMP: NA  
 DEGRADATION PRODUCTS: NA  
 EXTINGUISHING MEDIA: Use dry chemicals, CO2, water spray or foam.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Leak/Spill:** Contain spill. Absorb with an inert dry material and place in an appropriate waste disposal container.

### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

### SECTION 8 – EXPOSURE CONTROLS

**Engineering Controls:** Use process enclosures, or local exhaust ventilation to keep airborne levels below recommended exposure limits. Emergency shower should be in close proximity. Eye wash facility should be close in proximity.

RESPIRATORY PROTECTION:

VENTILATION: General ventilation adequate.

PROTECTIVE GLOVES: Gloves, impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE MEASURES: Apron and boots recommended under exceptional circumstances such as spill or for prolonged contact with bulk quantities.

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Perfumed, white liquid  
SPECIFIC GRAVITY: 1.08 to 1.095 (water=1)  
VAPOUR PRESSURE: The highest known value is 2.3 kPa (17.2 mg/Hg at 20°C) (Water)  
Weighted average: 1.87 kPa (14.03 mm/Hg at 20°C)  
VAPOUR DENSITY: Weighted average: 1.58 (air=1)  
PH: Concentrate 10.5 – 11.0  
BOILING POINT: Weighted average 117.85°C (244.1°F)  
WATER SOLUBILITY: Easy soluble in cold or hot water,

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Product is stable  
DECOMPOSITION PRODUCTS: See fire degradation products.  
REACTIVITY: Reactive with oxidizing agents, acids. Non-reactive metals

### SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY: Ingestion. Skin contact. Eye contact. Inhalation.  
TOXICITY FOR ANIMALS: Not Available  
ACUTE EFFECTS: Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation, Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.  
CHRONIC EFFECTS: Prolonged exposure may cause skin and eye chronic irritation.  
CARCINOGENIC EFFECTS: Not Available  
MUTAGENIC EFFECTS: Not Available  
TERATOGENIC EFFECTS: Not Available  
DEVELOPMENTAL TOXICITY: Not Available

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Repeated or prolonged exposure to the substance can produce target organ damage.

### **SECTION 12 – ECOLOGICAL CONSIDERATION**

No permanent effects on ecosystems

### **SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### **SECTION 14 – TRANSPORT INFORMATION**

TDG HAZARD CLASSIFICATION: Not a TDG controlled material

### **SECTION 15 – REGULATORY INFORMATION**

WHMIS CLASSIFICATION: D2B

### **SECTION 16 – OTHER INFORMATION**

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