

MATERIAL SAFETY DATA SHEET



1. Product and company identification

PRODUCT NAME : Bug Basher
PRODUCT CODE : 0810
SUPPLIER : NEMCO RESOURCES LTD.
 25 Midland Street
 Winnipeg, Manitoba
 R3E 3J6 Canada
Date Issued : October, 2013
Emergency (call collect) : 204-788-1030
CANUTEC : 613-996-6666

2. Hazards identification

NFPA HAZARD RATING	
HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
OTHER	NOT APPLICABLE

OSHA PERMISSIBLE EXPOSURE LIMIT*	NIOSH REL	ACGIN THRESHOLD LIMIT VALUE
200 ppm (260 mg/m ³) 8-Hour TWA (Skin)	200 ppm (260 mg/m ³) 8-Hour TWA 250 ppm (310 mg/m ³) Ceiling (Skin)	200 ppm (260 mg/m ³) 8-Hour TWA 250 ppm (310 mg/m ³) Short-term Exposure Limit (15-minute TWA) (Skin)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CASRN	Concentration By Vol%
Methanol	VARIOUS	10 min
Water		88 max

Inhibitor	PROPRIETARY	2 max
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4. FIRE FIGHTING MEASURES

Flammable Limits : UEL - 36 percent for methanol LEL - 6 percent for methanol

Auto ignition Temperature : 878°F for methanol

Extinguishing Media for Methanol:

Small Fires: Dry chemical, carbon dioxide, water spray or alcohol resistant foam.

Large Fires: Water spray, fog or alcohol-resistant foam

Special Fire Fighting Procedures:

Move container away from fire area if you can do so without risk. Dike fire control water for later disposal; do not scatter the material.

Apply cooling water to the sides of containers exposed to flames until well after the fire is out.

Explosion Hazards : Will not occur

5. REACTIVITY DATA

Stability/Polymerization : Stable

Incompatibility (Material to Avoid) : N/A

Hazardous Decomposition or By-products : Under normal conditions of storage and use, hazardous decomposition products should not be produced

Note: This product does NOT contain any hazardous substances reportable under CERCLA.

6. HEALTH HAZARD DATA

Routes of Entry (Methanol) : The primary routes of entry are inhalation, ingestion, and **absorption**

Health Hazards and Signs and Symptoms of Exposure (Methanol) : Irritant to eyes, skin, and upper respiratory system. Headaches, drowsiness, dizziness, vertigo, light-headed, nausea, and vomiting. Visual disturbance, optic nerve damage, and blindness. Skin exposure hazard

Target Organs : Central nervous system, digestive tract, eyes, and skin

Acute Effects : Eye irritation. Inhalation can result nose irritation, headache, fatigue, nausea, visual impairment or complete and possible blindness, acidosis, convulsions, circulatory collapse, respiratory fatigue, and death. Ingestion can cause gastrointestinal (GI) irritation followed by the symptoms described for inhalation and possible kidney impairment. Skin contact results in a cold sensation, dryness, and cracking, possibly leading to dermatitis. Methyl alcohol may be absorbed through the skin and may cause headache, fatigue, and visual disturbances. Eye contact results in irritation with lacrimation, inflamed lids, and photophobia.

Chronic Effects : Chronic exposure may result in visual impairment or blindness

Medical Conditions Generally Aggravated by Exposure : Ocular, respiratory, or dermal disorders may be aggravated by methanol exposure

Emergency and First Aid Procedures:

- Eyes** : Rinse with water 15 to 20 minutes, seek medical assistance
- Skin** : Flush with water for 15 minutes
- Inhalation** : Remove from source to fresh air, provide respiratory support as needed
- Ingestion** : Call Physician, hospital emergency room or Poison Control Center immediately

GET PROMPT MEDICAL ATTENTION

7. HANDLING AND STORAGE

- HANDLING** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- STORAGE** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

8. SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION** : Under normal use conditions (outdoor windshield cleaning), respiratory protection is not justified.
- EYE PROTECTION** : Splash goggles are recommended when handling the solution. Contact lens use is not recommended.
- PROTECTIVE CLOTHING** : The selection of protective clothing and gloves is dependent upon anticipated exposure. As reported by the manufacturer, Best Glove style 725R (PVC) offers excellent protection for up to 240 minutes of complete immersion.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Liquid/Blue
- pH** : Not available
- BOILING POINT °C** : 64.6 at 760mmHg(Methanol)
- MELTING POINT C (F)** : Not available
- FLASH POINT C (F)** : Not available
- FLAMMABILITY** : Not established
- OXIDIZING PROPERTIES** : Not available
- VAPOR PRESSURE** : 100(Methanol)
-mmHg 21.2 C

VAPOR DENSITY: : 1.11(Methanol)
RELATIVE DENSITY, 15 C : Not available
SOLUBILITY IN WATER : SOLUBLE
EVAPORATION RATE : Not established
Pour Point, °C : Not available
FREEZING POINT °C : -12

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. TRANSPORT INFORMATION

TDG CLASS : Not regulated under TDG
IMDG CLASS : Not regulated under IMDG
DOT CLASS : Not a DOT regulated material
INTERNATIONAL AIR TRANSPORT ASSOCIATION : For air shipment classification and associated regulations, please refer to the latest edition of IATA Dangerous Goods Regulations.
MSDS Prepared by : NEMCO RESOURCES LTD
Judgements as to the suitability herein for the user's

11. OTHER INFORMATION

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