

MATERIAL SAFETY DATA SHEET

SECTION 1

Product Name: BlockBuster

Date: January 2, 2010

Supplier's Name: **Brodi Specialty Products Ltd.**
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WHMIS Classification: Class D, Division 1, Subdivision B
Class D, Division 2, Subdivision A

SECTION 2 - HAZARDOUS INGREDIENTS

Methylene Chloride 99.9% CAS NO. 0000075-09-2
LD50 Rat:(Oral) 1,600 mg/Kg

SECTION 3 - PHYSICAL/CHEMICAL PROPERTIES

Boiling Point: 104F (4.01C)
Solubility in Water: 1.3g/100g @ 25C
Specific Gravity: 1.320 @ 25/25C
Vapour Pressure: 350 mmHg @ 20C
Vapour Density (air=1): 2.9
Appearance: Colourless liquid.
Odour: Slight, not unpleasant. Irritating solvent odour at high concentrations.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None
Method Used: TCC
Flammable Limits: LFL: 12% @ 100C UFL: 19% @ 100C
Extinguishing Media: Water spray, foam, carbo dioxide.
Fire & Explosion Hazards: Concentrated vapours can be ignited by high intensity energy source.
Special Fire Fighting Equipment and Hazards: Wear positive pressure self-contained breathing apparatus.

SECTION 5 - REACTIVITY DATA

Stability: (Conditions to Avoid) Hydrolysis producing small amounts of hydrochloric acid possible with gross water contamination. Avoid open flames, welding arcs, or other high temperature sources which induce thermal decomposition. Incompatibility: (SPECIFIC MATERIALS TO AVOID). Amines, aluminum, possibly sodium, potassium, and magnesium. Hazardous Decomposition Products: Open flames and welding arcs can cause thermal degradation with the evolution of hydrogen chloride and very small amounts of phosgene and chlorine.
Hazardous Polymerization: Will not occur.

SECTION 6 - HEALTH HAZARD DATA

Exposure Guideline(s): ACGIH TWA is 50 ppm. OSHA PEL is 500 ppm. TWA; 1000 ppm. ceiling; 2000 ppm. Peak. Eye: May cause pain, moderate eye irritation and slight corneal injury. Vapours may irritate eyes.

Skin Contact: Prolonged or repeated exposure may cause skin irritation, even a burn. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin. Extensive skin contact with methylene chloride, such as immersion, may cause an intense burning sensation followed by a cold, numb feeling which will subside after contact.

Skin Absorption: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The dermal LD50 has not been determined.

Ingestion: Single dose oral toxicity is low. The oral LD50 for rats is in the range of 1600 mg/kg. If aspirated (Liquid enters the Lung), may be rapidly absorbed through the Lungs and result in injury to other body systems.

Inhalation: Minimal anesthetic or narcotic effects may be seen in the range of 500-1000 ppm methylene chloride. Progressively higher levels over 1000 ppm may cause dizziness, drunkenness; concentrations as low as 10,000 ppm can cause unconsciousness and death. These high levels may also cause cardiac arrhythmias (irregular heartbeats). Excessive exposure may cause irritation to upper respiratory tract. Excessive exposure may cause carboxyhemoglobinemia, thereby impairing the blood's ability to transport oxygen. In confined or poorly ventilated areas, vapours can readily accumulate and can cause unconsciousness and death.

Systemic & Other Effects: Excessive exposure may cause central nervous system, liver or kidney effects.

Excessive exposure may cause carboxyhemoglobinemia, thereby impairing the blood's ability to transport oxygen. Methylene chloride has been shown to increase the rate of spontaneously occurring malignant tumours in the B6C3F1 mouse and benign tumours in laboratory rats.

Other animal studies, as well as several human epidemiology studies, failed to show a tumorigenic response relatable to Methylene Chloride. Methylene Chloride is not believed to pose a measurable carcinogenic risk to man when handled as recommended.

Birth defects are unlikely. Exposures having no effect on the mother should have no effect on the fetus. Did not cause birth defects in animals; other effects were seen in the fetus only at doses which caused toxic effects to the mother. In animal studies, has been shown not to interfere with reproduction. Negative or equivocal results have been obtained in mutagenicity tests using mammalian cells or animals. This is consistent with the lack of interaction with DNA in rats and hamsters. Although results of Ames bacterial tests have generally been positive, overall the data suggest that genotoxic potential does not appear to be a significant factor in the toxicity of methylene chloride.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Exposure Guidelines: ACGIH TLV is 50 ppm. OSHA PEL is 500 ppm; ACC is 1000 ppm; MAC is 2000 ppm.

Ventilation: Controlling airborne concentrations below the ACGIH TLV exposure guideline is recommended. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure.

For emergency and other conditions where the exposure guideline may be greatly exceeded, use an approved positive-pressure self-contained breathing apparatus. In confined or poorly ventilated areas, use an approved positive pressure self-contained breathing apparatus.

Skin Protection: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact could occur, use protective clothing

impervious to this material. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

Eye Protection: Use safety glasses. Where contact with liquid is likely, chemical goggles are recommended. If vapour exposure causes eye irritation, use a fullface respirator.

ENVIRONMENTAL AND DISPOSAL INFORMATION Action To Take For Spills/Leaks: Small spills - mop up, wipe up, or soak up immediately. Remove to out of doors. Large spills - evacuate area. Contain liquid; transfer to closed metal containers. KEEP OUT OF WATER

SUPPLY.

Disposal Method: When disposing of the unused contents, the preferred options are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, provincial, and local regulations including subtitle C of the Resource Conservation and Recovery Act. Do not dump into sewers, on the ground, or into any body of water.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

Eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

Skin: Wash off in flowing water or shower. Ingestion: Do not induce vomiting. Call a physician and/or transport to emergency facility immediately.

Inhalation: Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

Note to Physician: Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs unless absolutely necessary. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 9 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions to be Taken in Handling and Storage: Exercise reasonable care and caution. Avoid breathing vapours. Store in cool place. Concentrated vapours of this product are heavier than air and will collect in low areas such as pits, degreasers, storage tanks, and other confined areas. Do not enter these areas where vapours of this product are suspected unless special breathing apparatus is used and an observer is present for assistance. The use of air for unloading product out of vessels or transport containers is not recommended. Manual operations involving the potential for skin contact, such as some cold cleaning operations, or cleaning operations involving large surfaces, should be approached with special caution, due to the volatility of methylene chloride. Increased ventilation or respiratory protection may be required to reduce the potential for overexposure to vapours. Gloves or other protective equipment should be worn if skin contact is likely.

TRANSPORTATION DANGEROUS GOODS CLASSIFICATION

Shipping Name: Dichloromethane

Class: 6.1

UN Number: UN1593

Packing Group: III

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