

Material Safety Data Sheet

Section I – Product Information	
Item Name: <i>blue™ winter cleaner solution</i>	
Company's Name: CAF, LLC	Company's General Phone Number: (425) 413-6055
Company's Address: P.O. Box 1121 Maple Valley, Washington 98038	24-Hour Emergency Number: (425) 837-0025 ext. 5
Date MSDS Prepared: June 15, 2005, Revised August 1, 2007	Reorder Hotline: (425) 837-0025 email: sales@mycaf.com

Section II – Hazardous Ingredients			
Chemical Name/Common Name:	CAS NO.	PERCENT	TLV (Source)
Dipropylene Glycol Methyl Ether	34590-94-8	95-100%	
Disodium, Toluene-2-Sulfonate / Blue #1	3884-45-9	1-5%	
Proprietary ingredient – trade secret organic compound	n/k	1-5%	
No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.			

Section III – Physical Characteristics	
Boiling Point: 188.2°F	Appearance: Clear, slightly oily liquid
PH: (1.0% solution) N/A	Vapor Density: 7.0-8.0 lb./gal.
Vapor Pressure: (mm/Hg): 0.20-0.28 @ 20C	Solubility in Water: Miscible
Specific Gravity: (H2O = 1.0) 0.951-0.99 @ 25/25°C	Evaporation Rate (vs. butyl acetate = 1.0) 0.035

Section IV – Fire and Explosion Data		
Flash Point: 167°F	LEL: 1.1	UEL: 14.0
Extinguishing Media: Dry chemical foam, water or carbon dioxide.		
Unusual Fire and Explosion Hazards: None		

Section V – Reactivity Data
Stable: Yes
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Section VI – Health Hazard Data
Threshold Limit Value – Airborne – vapor 50ppm.
Primary Routes of Exposure: Eye - yes Skin-Not Established Oral-yes Inhalation-yes Other
Signs and Symptoms of Over-exposure (Acute): EYES: May cause transitory stinging and tearing. SKIN: Mild irritant and defatting agent especially on prolonged contact. INHALATION: No adverse health effects via inhalation. INGESTION: Relatively non-toxic. Ingestible of sizeable amount (over 100mL) may cause gastrointestinal upset and temporary central nervous system depression.
Signs and Symptoms of Over-exposure (Chronic): Lactic acidosis, stupor and seizures have been reported following chronic ingestion.
Medical Conditions Aggravated by Over-exposure: Kidney disorders.
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE

Section VII – Emergency & First Aid Procedures
Eye: Flush immediately with lots of running water and/or use a portable eye wash flush bottle with eyelids open. All eye exposures are serious – Get medical attention.
Skin: Wash skin with soap and water. Remove contaminated. Wash before reuse. Get medical attention if irritation persists.
Ingestion: Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.
Inhalation: Get to fresh air. Not expected to require first aid measures.

Section VIII – Spill or Leak Procedure
Steps to be Taken if Released or Spilled: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate protective equipment and use non-sparking tools and equipment to collect liquid in an appropriate container or absorb with an inert material and dispose accordingly with local regulations.
Waste Disposal Methods: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section IX – Special Protection Information
Respiratory Protection: If vapor exposure exceeds 50ppm wear dusts mask to keep from breathing vapors.
Ventilation Requirements: Adequate ventilation required. Mechanical required if necessary to maintain exposure below PEL.
Protective Gloves: Wearing resistant gloves is required.
Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.
Other Protective Clothing: Where gross eye and skin contact may occur use and wear appropriate protective clothing, including resistant clothing, rubber boots with pants on the outside, and rubber gloves.

Section X – Storage and Handling Information
Precautions to be Taken in Handling and Storage: Store in a cool dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use.

Section XI – Disposal Considerations
Landfill in accordance with all local, state and federal environmental regulations. Local and state laws may differ from Federal, be sure to consult with appropriate agencies for specific rules. Dilute and drain small amounts to sewer (avoid formation of aerosol).
Discard empty containers as general trash.

The information contained herein is based on data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data.