

Date Issued: November 20, 2008
 Supersedes Date: January 2, 1998

MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
Product Name	Filter Preservation			
Product Code (Catalog Number)	VML-3000-FP			
Product Category (Chemical Name)				
Product Appearance and Odor	Water-white, syrupy, odorless liquid			
Emergency Notification	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
Component	CAS No.	%	OSHA TWA ppm mg/m ³	OSHA STEL ppm mg/m ³
1,2,3-Propanetriol	56-81-5	TS	NE NE	NE NE
Water	7732-18-5	TS	NE NE	NE NE
PHYSICAL DATA				
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.				
Boiling Range IBP 340°F(171°C)	Specific Gravity 1.252	Molecular Weight		Viscosity
Percent Volatile by Volume	Vapor Pressure @20 C degrees 3mmHg	Vapor Density (Air = 1) 3.1		Pour, Congealing or Melting Point
Solubility in Water @1 ATM and 25°C (77°F)		Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1)		pH
FIRE AND EXPLOSION HAZARD INFORMATION				
Flash Point (Minimum) 350°F (177°C)	Autoignition Temperature 698°F(370°C)		Test Mode PMCC	LEL UEL
National Fire Protection Association (NFPA) — Hazard Identification				
Health	Flammability	Reactivity	Basis	

NA = not applicable NL = not listed NE = not established NNR = not normally required

Handling Precautions
Flammable or Explosive Limits (Approximate Percent by Volume in Air) ND
Extinguishing Media Water, fog, or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) or protein foams may function, but much less effectively. Do not use direct water stream. Will spread fire.
Fire Fighting Procedures Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Decomposition Products Under Fire Condition
“Empty” Container Warning
Unusual Fire and Explosion Hazards Violent steam generation or eruption may occur upon application of direct water stream.
HEALTH AND HAZARD INFORMATION
Variability Among Individuals
Signs and symptoms of overexposure Central nervous system effects and increased blood sugar levels.
Effects of Overexposure
Nature of Hazard and Toxicity Information
Pre-existing Medical Conditions which may be Aggravated by Exposure
Threshold Limit Value
Health Hazards Inhalation: At room temperature, vapors are minimal due to physical properties. If heated or sprayed as an aerosol, airborne material may cause upper respiratory irritation. Skin: Prolonged or repeated exposure is not likely to cause significant irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. May be absorbed in potentially harmful amounts when applied in large quantities to severe burns (second or third degree) over large areas of the body as part of a cream or other osmolality and may result in osmotic shock. Ingestion: Single dose oral toxicity is considered to be extremely low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

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Eyes: May cause slight transient (temporary) eye irritation.

PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES

Eye Contact

Immediately flush with large amounts of water for at least 15 minutes while holding the eyelids open. Do not attempt to neutralize with chemical agents.

Skin

Wash affected areas thoroughly with flowing water or shower

Inhalation

Remove to fresh air. Give artificial respiration if not breathing. Qualified personnel may give oxygen if breathing is difficult. Get medical attention

Ingestion

If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

Special Hazards Comments

All data presented here are for full strength VML-3000 Cleanser. However, recommended usage is less than 1% solution.

REACTIVITY

Stability

stable

Incompatibility

Strong oxidizing agents.

Hazardous Decomposition Products

Acrolein

Conditions to Avoid

Hazardous Polymerization

Materials to Avoid

Will not occur.

ENVIRONMENTAL INFORMATION

Steps to be Taken in Case Material is Released or Spilled

Protect people: Keep unnecessary people away; isolate hazard area and deny unnecessary entry. Protect environment: keep out of sewers, storm drains, surface water and soil. Small Spills: Cover with absorbent material, soak up, and sweep into a drum. Large spills: Dike around spill and pump into suitable containers

Waste Disposal Method

Disposal

Protective Gear

Precautions to be taken in handling and storage

Practice reasonable care and caution.

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.

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Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313) No VML-3000 ingredient (see original, Section 11 additional comments).
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)
SPECIAL STATE NOTIFICATIONS
PROTECTION AND PRECAUTIONS
Ventilation Approved air purifier
Respiratory Protection Not normally needed. However, if material is heated or sprayed, use an approved air purifier respirator
Protective Gloves No precautions other than clean body, covering clothing should be needed
Eye Protection Wear goggles or protective glasses.
Other Protective Equipment Safety shower and eye bath.
TRANSPORTATION AND OSHA RELATED LABEL INFORMATION
Transportation Incident Information
U.S. DOT Hazardous Materials Shipping Description Liquid detergent.
OSHA Required Label Information

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