

SECTION I - IDENTITY

PERMA Incorporated  
605 Springs Road  
Bedford, MA. 01730

TRACTION CLEAN Cleaner/Degreaser  
Hazardous - YES

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

Telephone Number for Information (978)667-5161  
Date Prepared 07/06/07  
Prepared By D.SADLO

4 = Most Hazardous  
Emergency Phone Number  
1-800-255-3924 or Poison Center

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components CAS Reg#	PEL mg/m3	TWA mg/m3	STEL mg/m3	Other Limits mg/m3	% (opt)
MONOETHANOLAMINE #141-43-5	3	7.5	6.0	CEILING: 3	< 4
2-BUTOXYETHANOL #111-76-2	50	250	500		< 2

\*LISTED CHEMICAL SUBJECT TO REPORTING REQUIREMENT OF SCT.313 OF TITLE III

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point - 212F Specific Gravity(Water=1) - 1.02  
Vapor Pressure (mm Hg) - 1 Melting Point - N.A.  
Vapor Density (air=1) - 2 Evaporation Rate(Butyl Acetate=1) -0.3  
Viscosity (CPS) - NA Decomposition Temperature -NA.  
Auto Ignition Temp. - NA Solubility in Water -COMPLETE  
pH - 11.5 +/- .5  
Appearance and Odor -CLEAR, LIGHT BLUE LIQUID, DETERGENT ODOR

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - <200°F Flammable Limits  
LEL - N.A. UEL - N.A.

Extinguishing media - WATER

Fire Fighting Procedure - COOL CONTAINERS WITH WATER

Fire and Explosion Hazards - NONE

SECTION V - REACTIVITY DATA

Stability - STABLE  
Conditions to Avoid - N.A.

Incompatibility - ACIDS, STRONG OXIDIZERS  
Hazardous Decomposition or Byproduct - N.A.

Hazardous Polymerization - WILL NOT OCCUR  
Conditions to Avoid - N.A.

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from use thereof.  
Essentially similar to OSHA form # 174

SECTION VI - HEALTH HAZARD DATA

Routes of entry:  
Inhalation - YES Skin - YES Ingestion - YES  
Health Hazards-Acute: CAUSES CHEMICAL BURNS TO EYES, SKIN AND MUCOUS MEMBR.  
CHORNIC: CHEMICAL BURNS OF SKIN AND MUCOUSE MEMBRANES, EYES  
TARGET ORGANS: EYES, RESP. SYS., UPPER G.I. TRACT, SKIN  
Carcinogenicity: NO  
NTP - N.A. IARC Monographs - N.A. OSHA Regulated - NO  
Signs and Symptoms of Exposure - ITCHING, BURNING SENSATION, REDNESS

Medical Conditions Aggravated - SENSITIZED SKIN

Emergency and First Aid Procedures - IMMEDIATELY WASH CONTACT AREAS (EYES)  
WITH LARGE QUANTITIES OF WATER. NEUTRALIZE WITH DILUTE VINEGAR/CITRUS SOL.  
INGESTION:GIVE CITRUS JUICE,INDUCE VOMITING WITH OIL OF IPECAC,GET MED.ATT

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO PLASTIC CONTAINER. WATER RINSE AND DRAIN, FLUSH SMALL AMOUNTS. (BIODEGRADABLE)  
Waste Disposal Method - DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL HAZARDOUS WASTE REGULATIONS.

Precautions to be Taken in Handling and Storage -  
DO NOT MIX WITH OTHER CHEMICALS.  
AVOID PROLONGED CONTACT. KEEP FROM FREEZING AND EXCESSIVE HEAT

Other Precautions - STORE IN SECURE AREA. AVOID FOOD OR FEED CONTAMINATION.  
KEEP OUT OF REACH OF CHILDREN !

SECTION VIII - CONTROL MEASURES

Respiratory Protection - USE IN WELL VENTILATED AREA, FOLLOW DIRECTIONS, AVOID INHALING MIST

Ventilation Local Exhaust - RECOMMENDED  
Mechanical - REQUIRED: EXCHANGE EVERY 10 - 15 MINUTES  
Special - N.A.  
Other - ASSURE FRESH AIR CIRCULATION.

Protective Gloves - REQUIRED: RUBBER, PLASTIC  
Eye Protection - REQUIRED: SAFETY GLASSES, GOGGLES  
Other Protection - RECOMMENDED: RUBBER OR PLASTIC APRON, EYE WASH, SHOWER, FACE SHEILD

Work/Hygienic Practices - DO NOT EAT, DRINK OR SMOKE NEXT TO MATERIAL.  
WASH HANDS/FACE AFTER WORK.

SECTION IX - TRANSPORTATION 49 CFR

Unit Cont. - 55,5,1, GAL., 1 QT PLASTIC Report Qty. (Lbs) - NA  
OSHA - NOT REGULATED Labels - NONE  
DOT - NOT REGULATED  
IMDG - NOT REGULATED  
IATA - NOT REGULATED

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.  
Template for MSDS