

SECTION I - IDENTITY

#100 TRACTION CLEAN CLNR/DEGREASER
Hazardous - YES

PERMA Incorporated
605 Springs Road
Bedford, MA. 01730

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

Telephone Number for Information (978)667-5161
Date Prepared 03/02/98
Prepared By THOMAS PITROLFFY

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	< 8

*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 - N.A. 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
UN - 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.