

SECTION I - IDENTITY

#3064 FREEZER CLEANER  
Hazardous - YES

PERMA Incorporated  
605 Springs Road  
Bedford, MA. 01730

Health	2
Flammability	1
Reactivity	0
Personal Protection	B

Telephone Number for Information (978)667-5161  
Date Prepared 11/01/99  
Prepared By A.Vadasz  
4 = Most Hazardous  
Emergency Phone Number  
1-800-255-3924 or Poison Center

SECTION II - HAZARDOUS INGREDIENTS

Hazardous Components	PEL	TWA	STEL	Other Limits	%
CAS Reg#	ppm	ppm	ppm		(opt)
GLYCOL ETHER COMPOUNDS NO CAS#	N.A.	N.A.	N.A.		< 50
MORPHOLINE # 110-91-8	20	20	30		< 5

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point	- 217F	Specific Gravity(Water=1)	- 1.03
Vapor Pressure (mm Hg)	- 1.0	Melting Point	- N.A.
Vapor Density (air=1)	- 1.5	Evaporation Rate(Butyl Acetate=1)	-0.25
Viscosity (CPS)	- NA.	Decomposition Temperature	-NA.
Auto Ignition Temp.	- NA.	Solubility in Water	-COMPLETE
pH - 10-11 +/-			
Appearance and Odor	-LIGHT BLUE LIQUID, PRACTICALLY ODORLESS		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - N.A. Flammable Limits  
LEL - N.A. UEL - N.A.

Extinguishing media - WATER SPRAY, CO2

Fire Fighting Procedure - NONE

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 - NO Skin - NO Ingestion - NO  
Health Hazards-Acute: NO TOXICITY EXPECTED AT AMBIENT TEMPERATURES  
VAPORS MAY IRRITATE EYE, SKIN OR RESPIRATORY TRACT.

Carcinogenicity: NO  
NTP - N.A. IARC Monographs - N.A. OSHA Regulated - NO  
Signs and Symptoms of Exposure - ITCHING, BURNING SENSATION

Medical Conditions Aggravated - N.A.

Emergency and First Aid Procedures - WASH CONTACT AREAS WITH PLENTY OF WATER.  
INGESTION: GIVE MILK, WATER OR CITRUS JUICE, DO NOT INDUCE VOMITING.  
INHALATION: MOVE SUBJECT TO FRESH AIR. CALL PHYSICIAN.

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 - USE SANITARY LANDFILL DISPOSAL. NOT A HAZARDOUS WASTE. FOLLOW STATE AND LOCAL REGULATIONS (RCRA; SUBTITLE D)

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.  
AVOID PROLONGED INHALATION OF VAPORS. KEEP OUT OF REACH OF CHILDREN !

SECTION VIII - CONTROL MEASURES

Respiratory Protection - ORGANIC VAPOR MASK AGAINST HIGH CONCENTRATION

Ventilation  
Local Exhaust - RECOMMENDED  
Mechanical - RECOMMENDED:  
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, SHOWER, EYE WASH FACILITY

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

SECTION IX - TRANSPORTATION

49 CFR

Unit Cont. - 5,1 GAL. PLASTIC CONT. 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.