

SECTION I - IDENTITY

BOTTOM LINE 40 #213
Hazardous - YES

PERMA Incorporated
605 Springs Road
Bedford, MA. 01730

Health	1
Flammability	2
Reactivity	0
Personal Protection	B

Telephone Number for Information (978)667-5161
Date Prepared 06/04/98
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)
Stoddard Solvent	500	100			< 60
CAS# 8052 - 41 - 3					

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point	- 320F	Specific Gravity(Water=1)	- 0.85
Vapor Pressure (mm Hg)	- 2.0	Melting Point	- N.A.
Vapor Density (air=1)	- 4.5	Evaporation Rate(Butyl Acetate=1)	-0.08
Viscosity (CPS)	- NA	Decomposition Temperature	-NA.
Auto Ignition Temp.	- NA	Solubility in Water	-NEGLIGIBLE
pH - N.A.	+/-		
Appearance and Odor	-Clear amber liquid, solvent odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point - TCC 140 F
Extinguishing media - CO2, FOAM, DRY CHEMICAL

Flammable Limits	
LEL - 0.7	UEL - 6.0

Fire Fighting Procedure - COOL CONTAINERS WITH WATER, USE SELF-CONTAINED BREATHING APPARATUS, BURNING PRODUCT IS TOXIC
Fire and Explosion Hazards - CLOSED CONTAINERS MAY BURST WHEN EXPOSED TO EXTREME HEAT. ISOLATE FROM HEAT, SPARKS, OPEN FLAME.

SECTION V - REACTIVITY DATA

Stability - STABLE
Conditions to Avoid - HEAT, SPARKS, OPEN FLAME

Incompatibility - STRONG OXIDIZING AGENTS.
Hazardous Decomposition or Byproduct - THERMAL DECOMPOSITION MAY YIELD CARBON MONOXIDE
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 - NO Ingestion - YES
Health Hazards-Acute: CAUSES EYE IRRITATION, DRYING OF SKIN, DIZZINESS
CHRONIC: RESPIRATORY TRACT IRRITATION, DERMATITIS
TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM
Carcinogenicity: NO
NTP - N.A. IARC Monographs - N.A. OSHA Regulated - YES
Signs and Symptoms of Exposure - IRRITATION AND REDNESS OF SKIN, DIZZINESS

Medical Conditions Aggravated - DERMATITIS
BRONCHO-PULMONARY PROBLEMS

Emergency and First Aid Procedures - EYE&SKIN CONTACT: BLOT WITH TOWEL, FLUSH WITH LARGE QUANTITIES OF WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: INDUCE VOMITING, GET IMMEDIATE MEDICAL ATTENTION

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled - DIKE AND COLLECT MATERIAL INTO METAL CONTAINER. USE NON-SPARKING TOOLS. USE WATER OR FOAM SPRAY TO LESSEN FIRE HAZARD. USE ABSORBENT FOR SMALL SPILL.
Waste Disposal Method - RECYCLE, INCINERATE, OR USE HAZARDOUS WASTE MANAGEMENT FACILITY FOR DISPOSAL ACCORDING TO STATE AND FEDERAL REGULATIONS. EPA WASTE NO. D001
Precautions to be Taken in Handling and Storage - COMBUSTIBLE, KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ADEQUATE VENTILATION. AVOID PROLONGED OR REPEATED CONTACT.
Other Precautions - STORE IN SECURE AREA. DISPOSE OF EMPTY CONTAINERS SAFELY KEEP OUT OF REACH OF CHILDREN

SECTION VIII - CONTROL MEASURES

Respiratory Protection - USE SELF-CONTAINED BREATHING APPARATUS FOR CONCENTRATIONS ABOVE THRESHOLD LIMIT VALUE.
Ventilation Local Exhaust - RECOMMENDED
Mechanical - REQUIRED; EXCHANGE EVERY 10 -15 MIN.
Special - BLOW AIR INTO PITS AND DEPRESSIONS
Other - ASSURE FRESH AIR CIRCULATION
Protective Gloves - REQUIRED: RUBBER, PLASTIC
Eye Protection - REQUIRED: SAFETY GLASSES
Other Protection - APRON OR SHOP COAT RECOMMENDED
Work/Hygienic Practices - DO NOT EAT/DRINK OR SMOKE NEXT TO MATERIAL. WASH HANDS/FACE AFTER WORK.

SECTION IX - TRANSPORTATION

49 CFR

Unit Cont. - 55,30,5,1 GAL. METAL CONT. Report Qty. (Lbs) - NA.
OSHA - CLASS II. COMBUSTIBLE LIQUID Labels - NONE
DOT - COMBUSTIBLE LIQUID-EXEMPT PER 49 CFR 173.150(f)
UN - COMBUSTIBLE LIQUID-EXEMPT PER 49 CFR 173.150(f)

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.