

PRODUCT IDENTITY:

(PASO LIQUID SANDER)

DATE: 11/26/93

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MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

SECTION 1 IDENTIFICATION

SECTION 2 INGREDIENT & REGULATORY INFORMATION

PRODUCT IDENTITY:

(PASO LIQUID SANDER)

NAME: CHARLES PAINT RESEARCH, Inc.

ADDRESS: 2401 E. 85th Street

CITY: Kansas City, Missouri 64132

PHONE : 1-816- 523-7466

CHEMTREC PHONE: 1-800-424-9300

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS

MATERIAL	CAS#	WT. % (REG. SECTION)	RQ(LBS)
Light Aliphatic Solvent Naphtha	*64742-89-8	>50 (311,312)	None
Ethanol	64-17-5	<25 (311,312)	None
n-Butyl Acetate	123-86-4	<15 (311,312)	5000
*Ethylene Glycol Propyl Ether	2807-30-9	< 5 (311,312,313,RCRA)	None
*Mixed Xylenes	1330-20-7	< 5 (311,312,313,RCRA)	None
Light Aromatic Solvent Naphtha	*64742-95-6	< 8 (311,312)	None
*Methanol	67-56-1	< 2 (311,312,313,RCRA)	5000
*1,2,4-Trimethylbenzene	95-63-6	< 1 (311,312,313,RCRA)	None

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

MATERIAL

MATERIAL	CAS #	TWA + (OSHA)	TLV (ACGIH)
Light Aliphatic Solvent Naphtha	*64742-89-8	300 ppm	300 ppm
Ethanol	64-17-5	1000 ppm	1000 ppm
n-Butyl Acetate	123-86-4	20 ppm	20 ppm
Ethylene Glycol Propyl Ether	2807-30-9	None Known	25 ppm
Mixed Xylenes	1330-20-7	100 ppm	100 ppm
Light Aromatic Solvent Naphtha	*64742-95-6	100 ppm	25 ppm
Methanol	67-56-1	200 ppm(S)	200 ppm(S)
1,2,4-Trimethylbenzene	95-63-6	25 ppm	25 ppm

MATERIAL

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Light Aliphatic Solvent Naphtha	*64742-89-8	None Known	750 ppm
Mixed Xylenes	1330-20-7	None Known	150 ppm
Methanol	67-56-1	None Known	250 ppm

MATERIAL

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
Ethylene Glycol Propyl Ether	2807-30-9	1300.0 mg/kg (Rabbits)

HAZARDS: HEALTH (NFPA) 2 HEALTH (HMIS): 2 FLAMMABILITY: 3 REACTIVITY: 0

(PASO PAINT VARNISH LACQUER SOFTENER)

SECTION 2. INGREDIENT & REGULATORY INFORMATION (CONT.)

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer & reproductive toxicity:
Benzene, Ethanol (Denatured)
DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG-II
DRUM LABEL: (FLAMMABLE LIQUID)

SECTION 3. HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE: 95 ppm (Evaporated Blend)
CONTAINS: PETROLEUM NAPHTHA, ETHANOL, N-BUTYL ACETATE,
ETHYLENE GLYCOL PROPYL ETHER, METHANOL, 1,2,4-TRIMETHYLBENZENE

WARNING!
FLAMMABLE!!
ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.
Breathing vapor can cause irritation.
Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

SWALLOWING:

Harmful or fatal if swallowed.
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.
SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

SUBCHRONIC HAZARDS

Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.
Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs.
Persons with asthma, chronic respiratory problems, severe heart, skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CHRONIC HAZARD:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.
This product may contain less than 1 ppm of Benzene.
Not considered hazardous in such low concentrations.

SECTION 4. FIRST AID MEASURES PROCEDURES

EYE CONTACT:

For eyes, immediately flush with plenty of water for 15 minutes & CALL A PHYSICIAN.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes.)

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!

SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm.. Vomiting may lead to pneumonitis, which may be fatal.

SECTION 5. FIRE FIGHTING MEASURES

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.9
FLASH POINT (TEST METHOD): 4 C / 40 F (TCC) (Lowest Component)
FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

FLAMMABLE!!

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

STORAGE

Do not store above 49 C/120 F. Store large amounts in structures made for OSHA Class I B liquids. Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE CONTROLS

Ventilate to keep vapors of this material below 50 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

VENTILATION

LOCAL EXHAUST	: Necessary
MECHANICAL (GENERAL)	: Acceptable
SPECIAL	: None
OTHER	: None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE :	Liquid, Water-White
ODOR :	Ester
BOILING RANGE :	65 125 171 C / 149 257 341 F
GRAVITY @ 60 F :	
API :	47.5
SPECIFIC GRAVITY (Water=1) :	.791
POUNDS/GALLON :	6.586
VOC'S (VAPOR PRESSURE >0.44 LBS/SQ IN) (LBS/GAL)	5.841
TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) (g/L) :	790.6
NONEXEMPT VOLATILE ORGANIC COMPOUNDS (CVOC) (g/L) :	790.6
NONEXEMPT VOLATILE ORGANIC COMPOUNDS (CVOC) (Vol. %) :	100.0
VAPOR PRESSURE (mm of Hg)@20 C	19.3
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	19.3
VAPOR DENSITY (air=1) :	3.4
WATER ABSORPTION :	Appreciable
% VOLATILE BY VOL :	100.0
SOLVENCY PARAMETERS:	
HKB (Hydrogen Bonding) :	23.2
PKB (Polarity) :	34.1
DKB (Dispersion) :	42.7
REFRACTIVE INDEX :	1.405
MIXED ANILINE POINT (Acid Insol):	56 C / 134 F

SECTION 10. REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.