

CC0324

U.S. DEPARTMENT OF LABOR

DATE:

Form No. OSHA-20

May, 1971

MATERIAL SAFETY DATA SHEET

SEP 18 1981

SECTION I

MANUFACTURER'S NAME
Portugal/ PDM, Inc.EMERGENCY TELEPHONE NO.
302-478-0768ADDRESS (Number, Street, City, State, and ZIP Code)
3512-8 Silverside Road, Wilmington, Delaware, 19810CHEMICAL NAME AND SYNONYMS
PineneTRADE NAME AND SYNONYMS
Turpentine, Spirits of Turpentine,CHEMICAL FAMILY
TerpeneFORMULA
Gum Spirits of Turpentine
 $C_{10}H_{16}$

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS NA			BASE METAL NA		
CATALYST NA			ALLOYS NA		
VEHICLE NA			METALLIC COATINGS NA		
SOLVENTS NA			FILLER METAL PLUS COATING OR CORE FLUX NA		
ADDITIVES NA			OTHERS NA		
OTHERS NA					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
See "Incompatibility"					

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	311-338	SPECIFIC GRAVITY ($H_2O=1$)	0.863
VAPOR PRESSURE (mm Hg.)	4 mm at 20°C.	PERCENT VOLATILE BY VOLUME (%)	99%+
VAPOR DENSITY (AIR=1)	4.7	EVAPORATION RATE	(=1) Butyl Acetate less than 1
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Colorless Liquid Pine-like odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	91° F. TCC	FLAMMABLE LIMITS	LeI	Uel
			0.8%	7
EXTINGUISHING MEDIA	Dry chemical or carbon dioxide for small fire; use foam or water spray for large fire			
SPECIAL FIRE FIGHTING PROCEDURES	Same as for other hydrocarbons			
UNUSUAL FIRE AND EXPLOSION HAZARDS				

AL Webb
Approved OMB
44-R1387

PRODUCT:

SECTION V HEALTH HAZARD DATA

DATE:

THRESHOLD LIMIT VALUE 100 PPM; 560 mg/m³

EFFECTS OF OVEREXPOSURE Headache, dizziness

EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with water 15 minutes, call physician.

SKIN: Remove clothing, wash with soap and water.

INHALATION: Remove victim from contaminated area.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Susceptible to oxidation and self-heating
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID See "Incompatible"
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

No smoking. Extinguish flames or fire in vicinity. Flush area with water.

If spill is large enough, pump into salvage tank.

WASTE DISPOSAL METHOD

Incinerate in open furnace, as any hydrocarbon would be handled.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) For high vapor concentration use air line mask.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES NA EYE PROTECTION Chemical Safety Goggles

OTHER PROTECTIVE EQUIPMENT NA

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Label - "Warning! Flammable Keep Away from Open Flame."

OTHER PRECAUTIONS

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, PDM, INC. COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.