

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

000187

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME PRENTISS DRUG & CHEMICAL CO., INC.		EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code) CB 2000 FLORAL PARK, N.Y. 11001		
CHEMICAL NAME AND SYNONYMS O Diethyl-O-(2-isopropyl-6 Methyl-4-Pyrimidinyl)phosphorothioate	TRADE NAME AND SYNONYMS DIAZINON 45	
CHEMICAL FAMILY Organo Phosphate	FORMULA $C_{12}H_{21}N_2O_3PS$	(TOXICANT)

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
DIAZINON (333-41-5)			Skin	48.7	0.1mg/M ³

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) 182-184°F @ 0.002 mm Hg	Toxicant	SPECIFIC GRAVITY (H ₂ O=1) 0.9834 @ 20°C	-Product
VAPOR PRESSURE (mm Hg.) 4.6 x 10 ⁻⁵ mm Hg @ 10°C	Toxicant	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1) 2.4 mg/M ³ @ 20°C	Toxicant	EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER 0.004% @ 20°C	Toxicant		
APPEARANCE AND ODOR Light Brown Liquid With Faint Ester-Like Odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 102°F Closed Cup	FLAMMABLE LIMITS	LeL	UeL
EXTINGUISHING MEDIA CO ₂ or Dry Chemical Extinguishers			
SPECIAL FIRE FIGHTING PROCEDURES Treat the same as an oil or gasoline type fire or chemical fire where vapors and other discharges to the environment are to be confined and reduced as quickly as possible. Use self contained air supply			
UNUSUAL FIRE AND EXPLOSION HAZARDS Combustible liquid, keep containers cool to avoid explosive ignition			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Not established for this product.

EFFECTS OF OVEREXPOSURE
Excess salivation, respiratory difficulty, muscle twitches or convulsions, exhaustion, headache, blurred vision, constricted pupils (Acetylcholine Effects)

EMERGENCY AND FIRST AID PROCEDURES
Artificial Respiration; Atropine sulfate intravenous (2-4mg q. 5-10 mins.) until atropinization; if severe, 2-PAM I.V. slowly (1g. for adults 0.25g for infants);
Lavage Stomach

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	XX	Avoid storage at high temperature

INCOMPATIBILITY (Materials to avoid)
Avoid contamination with H₂O, acids & alkalies

HAZARDOUS DECOMPOSITION PRODUCTS
Monothio-Tepp

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	XX	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Refer to NACA "Disposal Methods for Organic Phosphates and related Materials"

WASTE DISPOSAL METHOD
Refer to NACA "Disposal Methods for Organic Phosphates and Related Materials".

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	XX

PROTECTIVE GLOVES Rubber Gloves	EYE PROTECTION Safety Glasses
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OTHER PROTECTIVE EQUIPMENT Laboratory Coat

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not store near heat or open flame. Do not store near food & feed. Keep out of reach of children.

OTHER PRECAUTIONS
May be fatal if swallowed. May be absorbed through skin. Do not breathe vapors. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.