

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard.
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)



IDENTITY (As Used on Label and List)

Prentox Diazinon 4F

Note: Blank spaces are not permitted. If any item is not applicable, or no
 information is available, the space must be marked to indicate that

Section I

Manufacturer's Name PRENTISS DRUG & CHEMICAL CO., INC.	Emergency Telephone Number None
Address (Number, Street, City, State, and ZIP Code) C.B. 2000	Telephone Number for Information 516-326-1919
Floral Park, N.Y. 11001	Date Prepared 3/27/86
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Diazinon (CAS #333-41-5)		(Skin) 0.1mg/M ³ (TWA)		47.5
Xylene Range Aromatic Solvent (supplier recommendation)	435mg/M ³ (TWA)			30.0

Section III — Physical/Chemical Characteristics

Boiling Point 192-200°C @ 760mmHg	Diazinon	Specific Gravity (H ₂ O = 1) @25°C	1.0096
Vapor Pressure (mm Hg.)	0.5mgHg@ 20°C	Melting Point	N/D
Vapor Density (AIR = 1)	N/D	Evaporation Rate (Butyl Acetate = 1)	N/D

Solubility in Water

Diazinon 40mg/l. @ 20°C

Product emulsifies

Appearance and Odor

Light brown liquid with faint ester-like odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	122°F Closed Cup	Flammable Limits	N/D	LEL	UEL
---------------------------	------------------	------------------	-----	-----	-----

Extinguishing Media

CO₂ 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. Prevent spread of contaminated runoff.

Unusual Fire and Explosion Hazards Combustible liquid. Keep containers cool to avoid explosive ignition. May give off Hydrogen Cyanide upon thermal decomposition.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	Avoid storage at high temperature.
	Stable	XX		
Incompatibility (Materials to Avoid)		Avoid contamination with water, acids, alkalies		
Hazardous Decomposition or Byproducts		S-TEPP, Diazoxon, Hydrogen Cyanide		
Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will Not Occur	XX		

Section VI — Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic) Cholinesterase inhibition, Atropine sulfate is antidotal and may be administered in conjunction with 2-PAM.			
Carcinogenicity	NTP? No	IARC Monographs? No	OSHA Regulated? No

Signs and Symptoms of Exposure Excess salivation, respiratory difficulty, muscle twitches or convulsions, exhaustion, headache, blurred vision, constricted pupils, (Acetylcholine Effects)

Medical Conditions Generally Aggravated by Exposure Restrict exposure in persons being treated with morphine, theophylline, aminophylline, and phenothiazine drugs or hemolytic anemia.

Emergency and First Aid Procedures Artificial respiration, Atropine sulfate I.V. (2-4mg. q.5-10 min. until atropinization; if severe 2-PAM I.V. slowly (1g. for adults, 0.25g for infants)

Section VII — Precautions for Safe Handling and Use Lavage stomach.

Steps to Be Taken in Case Material is Released or Spilled Refer to NACA Procedure "Disposal Methods for Organic Phosphates and Related Materials."

Waste Disposal Method Refer to NACA Procedure "Disposal Methods for Organic Phosphates and Related Materials."

Precautions to Be Taken in Handling and Storing Do not store near heat or open flame. Do not store near food and feed. Keep out of reach of children. Do not contaminate water supplies.

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.

Section VIII — Control Measures

Respiratory Protection (Specify Type) Use approved pesticide respirator when mixing in enclosed area.			
Ventilation	Local Exhaust	Use in a well ventilated area	Special N/A
	Mechanical (General)	As required	Other N/A
Protective Gloves	Rubber gloves	Eye Protection	Safety glasses
Other Protective Clothing or Equipment Wear clothing designed to prevent skin and eye contact.			
Work/Hygienic Practices Wash thoroughly after handling.			