

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)
 Form Approved
 OMB No. 1218-0072

MAR 20 1991



IDENTITY (As Used on Label and List)
FREE ALL DEEP PENETRATING OIL

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 Valley Packing & Seal	Emergency Telephone Number 785-1333
Address (Number, Street, City, State, and ZIP Code) 21700 Doral Rd. Waukesha, WI 53186	Telephone Number for Information 785-1333
	Date Prepared JANUARY 17, 1991
	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)
CARBON DIOXIDE (CAS # 124-38-9)		5,000 ppm		3
METHYL ISOBUTYL KETONE (CAS # 108-10-1)		50 ppm		30
BLEND OF LUBRICATING OIL & PENETRATING ADDITIVES.		N/A		67
(50% LUBRICATING OIL = REGENT 100)				
(50% PENETRATING ADDITIVES = OLEIC ACID, CAS # 8002-26-4)				

Section III — Physical/Chemical Characteristics

Boiling Point FOR MIBK	240°F.	Specific Gravity (H ₂ O = 1) APPROXIMATELY	0.85
Vapor Pressure (mm Hg.) APPROX. 70 PSIG IN AEROSOL CAN		Melting Point	N/A
Vapor Density (AIR = 1) APPROXIMATELY	2.0	Evaporation Rate (Butyl Acetate = 1) ETHER = 1 APPROX.	0.10
Solubility in Water SLIGHT			

Appearance and Odor
BROWN LIQUID, SOLVENT MIBK ODOR. ***Does Not Contain Silicones*******

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) FOR MIBK 64 °F. TCC	Flammable Limits FOR MIBK	LEL 1.5%	UEL 8.0%
Extinguishing Media FOAM, DRY CHEMICAL, C.O.₂			

Special Fire Fighting Procedures
KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID BURSTING OF AEROSOL CAN. DO NOT STORE

WHERE TEMPERATURE MAY EXCEED 120°F.

Unusual Fire and Explosion Hazards
DO NOT SPRAY NEAR FIRE, FLAME OR SPARKS. PRODUCT IS FLAMMABLE.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	FIRE OR FLAME

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition or Byproducts
 COMBUSTION MAY RELEASE CARBON MONOXIDE GAS.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? N/A	Ingestion? N/A
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Health Hazards (Acute and Chronic)

Carcinogenicity:	NTP? N/A	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure
 DIZZINESS AND/OR NAUSEA

Medical Conditions
 Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures
 REMOVE TO FRESH AIR, ARTIFICIAL RESPIRATION IF NECESSARY. IF SPRAYED IN EYES, FLUSH WITH LOTS OF WATER.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
 ABSORB ON SUITABLE MATERIALS. VENTILATE AREA WELL.

Waste Disposal Method
 CONVENTIONAL SOLVENT WASTE RECEPTACLE.

Precautions to Be Taken in Handling and Storing
 DO NOT SPRAY NEAR FIRE, FLAME OR SPARKS. DO NOT STORE WHERE TEMPERATURE MAY EXCEED 120°F. DO NOT PUNCTURE OR INCINERATE.

Other Precautions
 DO NOT SPRAY IN DIRECTION OF BODY. KEEP AWAY FROM CHILDREN.

Section VIII — Control Measures

Respiratory Protection (Specify Type) N/A

Ventilation	Local Exhaust	Special ADEQUATE—ESPECIALLY AT FLOOR LEVEL AS VAPORS ARE HEAVIER THAN AIR.
	Mechanical (General) N/A	

Protective Gloves
 NEOPRENE OR PVA TYPE MAY BE USED.

Eye Protection
 GOGGLES SUGGESTED.

Other Protective Clothing or Equipment
 N/A

Work/Hygienic Practices
 N/A