

ITEM NUMBER: 961 - PENETRATING OIL 15 OZ.
 VERSION 4 EFFECTIVE DATE: 03/02/04 SUPERCEDES: 09/26/03 PREPARED BY: Regulatory Compliance
 Section(s) Revised: HMIS, II, III, IV, VI, IX
 IDENTITY (As Used On Label and List): Penetrex Pen. Oil

EMERGENCY MEDICAL Telephone# 1-800-228-5635 X 009 (24 Hrs) Outside of the U.S.A. Call 651-632-9275

PRODUCT HAZARD RATINGS (HMIS): - Health = 2*, Fire = 4, Reactivity = 1 Protective Equipment = B
 (Rating Legend: - 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal, * = Chronic Hazard)

SECTION I

NATIONAL AMERICAN SALES
 P O BOX 68

TELEPHONE NUMBER FOR INFORMATION :

DATE PRINTED : 10/11/04 NAME OF PREPARER : REGULATORY COMPLIANCE

THIBODAUX
 LA 70302

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Chemical Names	CAS #	SARA SEC 313	ACGIH TLV-TWA/STEL	OSHA PEL-TWA/STEL	% By Wt.
Mineral Spirits	8052-41-3 or 64742-47-8	No	100 ppm/ NE	500 ppm/ NE	20-30
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	No	NE / NE	152 ppm*/ NE	20-30
2-Butoxyethanol	111-76-2	Yes	20 ppm**/ NE	25 ppm**/ NE	5-10
Hydrotreated Heavy Naphthenic Distillate	64742-52-5	No	NE / Ne	NE / NE	5-10
Paraffin Wax	None	No	ND / ND	ND / ND	5-10
Propane	74-98-6	No	2500 ppm/ NE	1000 ppm/ NE	5-15

Balance of ingredients are non-hazardous or below reportable levels.
 * ExxonMobil recommendation ** Skin exposure

SECTION III - PHYSICAL CHARACTERISTICS

Boiling Point: NA Vapor Pressure (psig): 75-98 @ 130F / 32-48 @ 70F Specific Gravity (H2O=1): 0.7542-0.7770
 pH: NA Solubility/Water: Negligible Vapor Density (AIR=1): ND Evaporation Rate (Ether=1): ND
 Appearance and Odor: Amber to dark brown aerosol spray with bland odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Aerosol Flammability: Product is to be labeled as flammable as described in 16 CFR 1500.3 and 1500.45.
 Flashpoint: <0F (Propellant); >104F (Concentrate)
 Flammable Limits - % Volume In Air (Propellant): LEL: 2.2 UEL: 9.5
 Extinguishing Media: Carbon dioxide, water spray, foam, or dry chemical.
 Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.
 Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
 Unusual Fire and Explosion Hazards: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protection clothing. At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.