



## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Penetrate HD

**Part Numbers:** 61105, 12 oz can - 61106, 17 oz can

**Product Use:** Aerosol Penetrating Lubricant

**Supplier/Manufacturer Contact Information:**

ClenAir Mfg. Inc.

Box 346

Fort Washington, PA 19034

Phone (888)-764-2110 Fax (215)-542-6825

**24 Hour Emergency Phone:** Chemtrec 800-424-9300

### SECTION 2: HAZARDS IDENTIFICATION

**Appearance and Odor:** Reddish liquid - mild petroleum odor.

**DANGER:** Contents under pressure. May cause eye and skin irritation. Harmful or fatal if swallowed.

**Potential Health Effects:**

**Eye:** Liquid may cause eye irritation with stinging and redness.

**Skin:** May cause mild irritation with redness and itching. Prolonged contact could cause drying of skin.

**Inhalation:** Inhalation of small amounts of vapor during normal use is not likely to cause health effects. Inhalation of large amounts of vapors may cause irritation to nose and throat, headaches, and other nervous system effects.

**Ingestion:** Ingestion of an aerosol is an unlikely route of entry. Ingestion may cause gastrointestinal distress, headaches, dizziness, nervous system effects, abdominal pain, vomiting and weakness.

**Chronic Hazards:** Unknown

**Target Organs:** Insufficient data available

**Medical Conditions Aggravated by Exposure:** Respiratory or skin conditions

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>%</b>
Hydrotreated Distillates	64742-52-5	30-60
Hydrotreated Middle Distillates	64742-95-6, 64742-46-7, 64742-47-8	30-50
Dipropylene Glycol n-propyl ether	29911-27-1	8-15
Dipropylene glycol methyl ether acetate	88917-22-0	8-15
Diisobutyl ketone	108-83-8	4-8
Proprietary Ingredients	Proprietary	5-10
Carbon Dioxide	124-38-9	1-3

### **SECTION 4: FIRST AID MEASURES**

**Eye:** Rinse thoroughly with water for 15 minutes. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing and wash contact area with soap and water. If irritation persists, get medical attention. Clean clothing before re-use.

**Inhalation:** Remove person to fresh air. Give artificial respiration if person not breathing. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting due to risk of aspiration. Seek medical attention.

### **SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point:** 126 Deg. F (COC)

**Flammable Limits:** UEL: 6.0  
LEL: 1.0

**Flammable Properties:** This product is not considered flammable in accordance with aerosol flammability definitions.

**Autoignition Temperature:** Not determined

**Extinguishing Media:** Use carbon dioxide, dry chemical, or foam. Class B fire.

**Explosion Hazards:** Containers are under pressure and may build pressure and explode when exposed to high temperatures.

**Fire fighter protections:** Wear self-contained, NIOSH approved breathing apparatus and protective gear. Protect eyes and skin. Water can be used to cool containers and keep fumes down.

**Products of Combustion:** Oxides of carbon.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Spills:** Avoid contamination of ground and surface waters. Do not discharge into storm drains or sewers. Wear protective clothing to prevent eye and skin contact. Remove any ignition sources such as pilot lights, open flame and sparking equipment. Ventilate the area with fresh air. Dike the area to contain the spill. Collect spill with absorbent material and follow local spill reporting and disposal guidelines.

Penetrate HD – Part # 61105, 12 oz can, 61106, 17 oz can

## **SECTION 7: HANDLING AND STORAGE**

**Handling:** Avoid breathing vapors and mists. Do not use on energized equipment. Use caution around energized equipment as the container is metal and will conduct electricity. Do not heat the product. Do not use torches or welding equipment near the product. Do not puncture or incinerate the containers.

**Storage:** Store in a cool dry place away from direct sunlight. Containers must be kept below 120 Deg F to prevent rupturing of cans. Store as a Level III aerosol.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

COMPONENT	OSHA		ACGIH		OTHER	
	TWA	STEL	TWA	STEL	TWA	Source Unit
Hydrotreated Distillates	5	NE	5	10	NE	Mg/m3
Aliphatic hydrocarbon	100	NE	100	NE	NE	ppm
Glycol Ether	NE	NE	NE	NE	NE	N/A
Dipropylene glycol ether	NE	NE	NE	NE	NE	N/A
Diisobutyl Ketone	50	NE	25	NE	NE	ppm
Proprietary Ingredients	NE	NE	NE	NE	NE	ppm
Carbon Dioxide	5000	30000	5000	30000	NE	ppm

### **Controls/Protection**

**Ventilation:** Work area should have proper exhaust ventilation with adequate fresh air to maintain concentrations of vapors below the exposure guidelines. Follow applicable OSHA regulations if working in a confined space.

**Respiratory Protection:** Not required for regular work in a ventilated area. If ventilation is inadequate or exposure levels exceed the guidelines, use a NIOSH approved cartridge respirator with organic vapor cartridge.

**Eye Protection:** Wear safety goggles.

**Skin Protection:** Use protective gloves and clothing to avoid contact with skin.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

pH: N/A	Specific Gravity: 0.85-.89
Boiling point: 315 F	Freeze point: ND
Vapor pressure: ND	Vapor Density >1
Solubility: Negligible	Evaporation Rate – Moderate

## **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions

**Incompatibility/Conditions to Avoid:** Avoid strong oxidizers and strong acids. Avoid heat and ignition sources.

**Penetrate HD MSDS – Part # 61105, 12 oz can, 61106, 17 oz can**

**Hazardous Decomposition products:** Oxides of carbon

**Hazardous Reaction Possibilities:** No

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Toxicological testing has not been conducted on this product.

Carcinogen Status: None of the components of this product are listed as carcinogens by OSHA, NTP, or IARC.

## **SECTION 12: ECOLOGICAL INFORMATION**

No ecological data on this product is available

## **SECTION 13: DISPOSAL INFORMATION**

Dispose of in accordance with federal, state, provincial, and local regulations. Aerosol cans should be completely depressurized before disposal. Empty cans may be recycled.

## **SECTION 14: TRANSPORT INFORMATION**

**US DOT Shipping Name (ground):** Consumer commodity, ORM-D

**DOT Hazard Class:** ORM-D

**ICAO/IATA (air):** Consumer commodity, ID8000, 9

**IMO/IMDG (water):** Aerosols, UN1950, 2.1, Limited Quantity

**Special provisions:** None

## **SECTION 15: REGULATORY INFORMATION**

**U.S. Federal Regulations:**

**Toxic Substances Control Act (TSCA):** All ingredients are listed on the TSCA Inventory or are exempt.

**CERCLA:** None of the ingredients are required to be reported under CERCLA.

**SARA Title III:**

Section 302 – extremely hazardous substances – NONE

**SARA section 311/312 Hazard Categories:** Fire hazard, acute health hazard, and release of pressure hazard.

**SARA section 313 Toxic Chemicals:** NONE

**Clean Air Act, hazardous air pollutants:** NONE

**California Safe Drinking Water and Toxic Enforcement Act:** This product contains chemicals known to the state of California to cause cancer and reproductive harm.

**Canadian Regulations:**

**Canadian DSL Inventory:** All ingredients are either listed on the DSL inventory or are exempt.

**WHIMIS Hazard Class:** A, D2B

