

## PROMECH AEROSOL PENETRATING OIL

SDS Number: ES-12570

Revision Date: 3/27/2017

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Apollo Technologies, Inc.  
1850 S. Cobb Industrial Boulevard  
Smyrna, GA 30082

#### Vendor

PROMECH OIL CORPORATION  
38585 Bayonne Ave.  
Beach Park, IL 60087

**Phone:** 770-433-0210  
**Web:** <http://www.apolloind.com/>

**Phone:** 1-847-693-8054  
**Web:** [www.promechoil.com](http://www.promechoil.com)

**Product Name:** PROMECH AEROSOL PENETRATING OIL  
**Revision Date:** 3/27/2017  
**Version:** 1  
**SDS Number:** ES-12570  
**Common Name:** AEROSOL PENETRATING OIL  
**Product Use:** LUBRICANT

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes - Yes    Skin - Yes    Inhalation - Yes    Ingestion - Unlikely

**Target Organs:** Cardiovascular system; Eyes; Respiratory system; Skin;

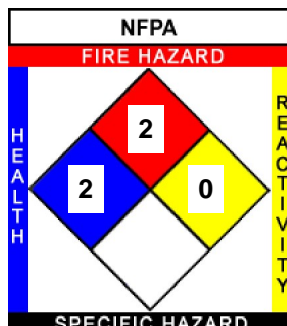
**Inhalation:** No significant adverse health effects are expected to occur upon short-term exposure. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above exposure levels can cause respiratory irritation or other pulmonary effects.

**Skin Contact:** This material can cause mild skin irritation from prolonged or repeated skin contact. Injection under the skin can cause inflammation and swelling. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne.

**Eye Contact:** This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.

**Ingestion:** If swallowed, large volumes of material can cause generalized depression, headache, drowsiness, nausea, vomiting and diarrhea. Smaller doses can cause a laxative effect. If aspirated into the lungs, liquid can cause lung damage.

NFPA: Health = 2, Fire = 2, Reactivity = 0  
HMIS III: H\*2/F2/PH0



HMIS III	
HEALTH	<input checked="" type="checkbox"/> 2
FLAMMABILITY	2
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B   Safety Glasses, Gloves	

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GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Aspiration hazard, 1  
Health, Skin corrosion/irritation, 2  
Health, Serious Eye Damage/Eye Irritation, 2 A  
Health, Specific target organ toxicity - Single exposure, 3  
Health, Germ cell mutagenicity, 1  
Health, Carcinogenicity, 2  
Health, Reproductive toxicity, 2  
Health, Specific target organ toxicity - Repeated exposure, 2  
Physical, Flammable Aerosols, 1  
Physical, Flammable Aerosols, 2

GHS Phrases:

H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects  
H351 - Suspected of causing cancer  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H229 - Pressurized container: may burst if heated  
H223 - Flammable aerosol

GHS Precautionary Statements:

P102 - Keep out of reach of children.  
P103 - Read label before use.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P270 - Do not eat, drink or smoke when using this product.  
P281 - Use personal protective equipment as required.  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+352 - IF ON SKIN: Wash with soap and water.  
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.  
Continue rinsing.  
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.  
P412 - Do not expose to temperatures exceeding 50 °C/122 °F  
P251 - Pressurized container: Do not pierce or burn, even after use.

CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin or respiratory conditions.

LISTED CARCINOGENS: OSHA - Not listed IARC - 2B possible carcinogen NTP - Not listed



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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

Cas #	Percentage	Chemical Name
64741-95-6	40-60%	Distillates, petroleum, solvent-refined light paraffinic
67-64-1	30-50%	2-Propanone
95-63-6	10-20%	1,2,4-Trimethylbenzene
25551-13-7	10-20%	Benzene, trimethyl-
98-82-8	5-10%	Cumene
1330-20-7	1-5%	Xylenes, mixed
64742-65-0	1-5%	Distillates, petroleum, solvent-dewaxed heavy paraffinic
124-38-9	<5%	Carbon dioxide (propellant)

### 4 FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion:</b>	Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### 5 FIRE FIGHTING MEASURES

<b>Flammability:</b>	Flammable Liquid
<b>Flash Point:</b>	NA
<b>Flash Point Method:</b>	NA
<b>Burning Rate:</b>	Not available.
<b>Autoignition Temp:</b>	Not available.
<b>LEL:</b>	Not available.
<b>UEL:</b>	Not available.

**Means of Extinction:**

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

**Explosion Data:**

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).



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### ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

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### HANDLING AND STORAGE

**Handling Precautions:**

HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

**Storage Requirements:**

Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, or burst.



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### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Maintain adequate ventilation.  
**Personal Protective Equip:** HMIS PP, B | Safety Glasses, Gloves

INGREDIENTS	EXPOSURE LIMITS		
	OSHA-PEL	ACGIH-TLV	OTHER
1,2,4-Trimethylbenzene	25 ppm	25 ppm	
2-Propanone	1000 ppm	500 ppm	
Distillates, petroleum, solvent-refined light paraffinic	5mg/m3 8hr-TWA (oil mist)	5mg/m3 8hr-TWA (oil mist)	10mg/m3 15min-STEEL
Benzene, trimethyl-	25ppm (125mg/m3)	25ppm	
Cumene	50ppm (245mg/m3)	50ppm	50ppm NIOSH
Xylenes, mixed	100ppm (435mg/m3)	100ppm	150ppm STEEL
Distillates, petroleum, hydrotreated light paraffinic	5mg/m3 8hr-TWA (oil mist)	5mg/m3 8hr-TWA (oil mist)	10mg/m3 15min-STEEL

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Red clear liquid
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent odor
<b>Molecular Formula:</b>	ND
<b>Particle Size:</b>	ND
<b>Solubility:</b>	Partially miscible
<b>Spec Grav./Density:</b>	0.83 - 0.84 g/ml COncentrate
<b>Softening Point:</b>	ND
<b>Viscosity:</b>	ND
<b>Percent Volatile:</b>	47.5%
<b>Saturated Vapor Concentration</b>	ND
<b>Heat Value:</b>	ND
<b>Boiling Point:</b>	>100°F
<b>Freezing/Melting Pt.:</b>	ND
<b>Flammability:</b>	Flammable
<b>Flash Point:</b>	Flame projection method (aerosol)
<b>Partition Coefficient:</b>	ND
<b>Octanol:</b>	ND
<b>Vapor Pressure:</b>	No Data
<b>Vapor Density:</b>	ND
<b>pH:</b>	N/A
<b>VOC:</b>	0.0%
<b>Evap. Rate:</b>	>1.00
<b>Molecular weight:</b>	ND
<b>Auto-Ignition Temp:</b>	ND
<b>UFL/LFL:</b>	ND

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames and temperatures above 120°F
<b>Materials to Avoid:</b>	Strong oxidizing agents, strong reducing agents, Nitric acid, sulphuric acid, chloroform, alkalis, acids, potassium t-butoxide
<b>Hazardous Decomposition:</b>	CO, CO <sub>2</sub> , Hydrocarbons, nitrogen oxides, Sulphur oxides
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

No product toxicological information is available.

### 12 ECOLOGICAL INFORMATION

No product ecological information is available.



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### 13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

### 14 TRANSPORT INFORMATION

#### DOT

UN Number	UN1950
Proper shipping name	Aerosol, limited quantity
Transport Hazard Class(es)	2.1
Packing group	Not applicable

#### IATA

UN Number	UN1950
Proper shipping name	Aerosol, limited quantity
Transport Hazard Class(es)	2.1
Packing group	Not applicable

Environmental hazards No

#### Other information

Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

#### IMDG

UN Number	UN1950
Class	2.1
Subsidiary risk	—
Packing group	NA
Environmental hazards	No
EMS	F-D, S-U

### 15 REGULATORY INFORMATION

#### COMPONENT / (CAS/PERC) / CODES

\*Distillates, petroleum, solvent-refined light paraffinic (64741956 40-60%) MASS, TSCA, TXAIR

\*2-Propanone (67641 30-50%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*1,2,4-Trimethylbenzene (95636 10-20%) MASS, NJHS, PA, SARA313, TSCA, TXAIR

\*Benzene, trimethyl- (25551137 10-20%) MASS, OSHAWAC, PA, TSCA, TXAIR

\*Cumene (98828 5-10%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Xylenes, mixed (1330207 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL



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\*Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742650 1-5%) NJHS, TSCA

\*Carbon dioxide (propellant) (124389 n/a%) MASS, OSHAWAC, PA, TSCA, TXAIR

### REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
NJHS = NJ Right-to-Know Hazardous Substances  
CERCLA = Superfund clean up substance  
HAP = Hazardous Air Pollutants  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
SARA313 = SARA 313 Title III Toxic Chemicals  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TXHWL = TX Hazardous Waste List  
CSWS = Clean water Act Hazardous substances  
EPCRAWPC = EPCRA Water Priority Chemicals

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

**WARNING:** This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

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### OTHER INFORMATION

**Author:** DP

**Publication Date:** 3.27.17

**Revision No.** 1

### Disclaimer:

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