



Material Safety Data Sheet

SECTION I

PRODUCT IDENTIFICATION

Manufacturer's Name: Countrymark Cooperative, LLP.
Address: 1200 Refinery Road
Mt. Vernon, Indiana 47620

Emergency Telephone Number: 812-838-8165 (Refinery Control Room)
800-424-9300 (CHEMTREC)

Trade Names: Petroleum; Crude Oil; Mineral Oil; Rock Oil; Coal Oil; Seneca Oil;
Earth Oil; Lima Oil

Chemical Name: Petroleum, Crude Oil
Chemical Family: Hydrocarbon
CAS Registry No.: 8002-05-9

SECTION II

HAZARDOUS INGREDIENTS

Petroleum (Crude Oil) consists of a mixture of hydrocarbons from methane and up - chiefly of the paraffins, cycloparaffins, or of cyclic aromatic hydrocarbons, with small amounts of benzene hydrocarbons, sulfur, nitrogen and oxygenated compounds. The terms paraffin base crude, naphthene or asphalt base crude, and aromatic base crude are used to indicate the most prevalent constituents of crudes from various localities.

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HAZARD AND TOXIC MATERIALS NOTIFICATION (This may not be a complete list of components.)

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>Volume Range</u>
Toluene (Benzene, methyl)	108-88-3	0 to 1 %
Xylenes (Dimethyl Benzene)	1330-20-7	0 to 1 %
Benzene	71-43-2	0 to 1 %
Ethylbenzene	100-41-4	0 to 1 %
Cyclohexane (Benzene, hexahydro)	110-82-7	0 to 1 %
Hydrogen Sulfide (H ₂ S)	7783-06-4	0 to 10 PPM

CERCLA INFORMATION

Under EPA-CWA, this product is considered an oil under Section 311. Spills into or leading to surface waters that cause a sheen must be reported to the National RResponse Center, 800-424-8802

RCRA INFORMATION

Under EPA-RCRA (40 CFR 261.21), if this product becomes a waste material, it would be an Ignitable Hazardous Waste., Hazardous Waste Number D001. Refer to the latest EPA or State Regulations regarding proper disposal.

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SECTION III

PHYSICAL DATA

Boiling Point (°F)	<32 to 760+
Specific Gravity (H ₂ O = 1) at 60°F	0.80 to 0.90
Vapor Pressure (mm. Hg) @ 60°F	< 500
Percent Volatile by Volume (%)	Varies with different Crudes
Solubility in Water	Insoluble
Viscosity	<50 SUS @ 100° F

Appearance and Odor:

Petroleum (Crude Oil) is a dark brown, greenish-brown, greenish fluorescent, or black-colored oily liquid depending upon its origin. It has a peculiar distinct heavy petroleum odor also varying with its place of origin and composition. Crude Oil may also have an odor of "rotten eggs" caused by hydrogen sulfide contamination.

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point (TCC)	< 80° F (The Flash Point is dependent upon the individual Crude Oil.)
Classification:	Flammable Liquid UN 1267
Flammable Limits:	LEL <u>N/A</u> UEL <u>N/A</u>

Extinguishing Media:

Small Fires: Dry Chemical, Carbon Dioxide, water spray, or foam.
Large Fires: Water spray, fog, or foam

Hazardous Decomposition Products:

WARNING: Hydrogen Sulfide (H₂S) and other hazardous vapors may evolve and collect in the headspace of storage tanks or other enclosed vessels. Hydrogen sulfide is an extremely flammable and highly toxic gas. Incomplete combustion may form toxic materials: Carbon Dioxide and Carbon Monoxide, plus various unidentified organic hydrocarbons may be formed.

Special Fire Fighting Procedures:

Cool containers with water spray to prevent re-ignition.

Unusual Fire and Explosion Hazards:

Avoid heat, open flames, and oxidizing agents such as Chlorine, Permanganates, and Dichromates.

SECTION V

HEALTH HAZARD

Threshold Limit Value:

No applicable information was found.

Effects of Overexposure:

None expected under normal conditions of use.

Emergency and First Aid Procedures:

IF IN EYES - Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

IF ON SKIN - Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before wearing.

IF INHALED - Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

IF SWALLOWED - Do not induce vomiting. Keep person warm, quiet and get medical attention.

SECTION VI

REACTIVITY DATA

Stable X Unstable _____

Incompatibility (Materials to avoid): Avoid contact with strong oxidizing agents like Chlorine, Permanganates, and Dichromates.

Hazardous Decomposition Products:

May form toxic materials of Carbon Dioxide, Carbon Monoxide, various hydrocarbons, etc. as combustion by-products.

Hazardous Polymerization: May Occur ___ Will Not Occur X

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released:

Small Spill: Eliminate all ignition sources (smoking, flares, flames, including pilot lights, electrical sparks, and etc.). Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and place in non-leaking container for proper disposal.

Large Spill: Eliminate all ignition sources (smoking, flares, flames, including pilot lights, electrical sparks, and etc.). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank or truck. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into non-leaking containers for proper disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

Waste Disposal Method:

Small Spill: Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

Large Spill: Reclaim as much as possible for reprocessing or salvage. Destroy by liquid incineration. Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Not needed for normal exposure. A NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. Firefighters require SCBA Positive Pressure Breathing Apparatus when involved in petroleum fires.

Ventilation:

Ventilation is not required for normal conditions of use. If ventilation is needed, explosion-proof motors and fans are required to provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(S).

Personal Protective Equipment and Apparel:

Gloves: Wear petroleum resistant gloves such as: Neoprene, Nitrile, rubber gloves, etc.

Eye Protection: Safety goggles or face shield for protection from splashing in eyes.

Other Protective Equipment: Wear impervious protective clothing and boots appropriate for work situations to prevent repeated or prolonged skin contact. Launder contaminated clothing before wearing.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be taken when handling and storing:

Keep all containers in upright position with storage in cool, dry, well ventilated area away from heat, ignition, and strong oxidizers. Do not allow smoking in areas of use or dispensing. Motors, fans, switches, etc. in area of use or dispensing should be explosion proof. Ground containers when filling. Prevent all static and electric sparks.

Other Precautions:

Have written confined space and tank entry procedures. Never allow tank entry without checking OXYGEN AND VAPOR levels.

WARNING: Hydrogen Sulfide (H₂S) and other hazardous vapors may evolve and collect in the headspace of storage tanks or other enclosed vessels. Hydrogen sulfide is an extremely flammable and highly toxic gas. Use safety harness and safety line on person entering a tank. Stand-by person required with protective equipment available.

SECTION X

TOXICOLOGICAL INFORMATION

No applicable information was found.

SECTION XI

DOT LABELING INFORMATION

Proper Shipping Name:	Petroleum Crude Oil
Hazardous Classification:	Flammable Liquid, 3, UN 1267, PG I (DOT ERG No. 27)
Identification No.:	UN 1267
Label(s) Required:	Flammable Liquid

DISCLAIMER OF LIABILITY

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