

# Material Safety Data Sheet

## Ebonite Series (Black Oils)



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Revised: 4-19-05  
MSDS #: Ebonite

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Ebonite Series  
**General Uses:** Process oil, Chemical Carrier, Wetting Agent  
**Product Description:** Black Liquid, Hydrocarbon Odor.

#### MANUFACTURER:

Cross Oil Refining & Marketing, Inc.  
484 East Sixth Street  
Smackover, Arkansas 71762  
MSDS prepared by: Clark B. Smith

#### EMERGENCY TELEPHONE NUMBERS

**(870) 881-8700, Ext.1163 [USA]**  
  
(870) 881-8700, Ext. 1128

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### 2. COMPOSITION INFORMATION

<b>CHEMICAL FAMILY:</b> Petroleum Hydrocarbon	<b>Common Name:</b> Black Oil	<u>% Vol.</u>
<b>HAZARDOUS INGREDIENTS:</b> None Known	<b>Exposure Limits (Oil Mist):</b>	100%
<b>C.A.S. #:</b> Grades M-90, M-100, H-150	ACGIH, TLV (ppm),	<u>TWA</u>
<b>64741-56-6</b>	OSHA, PELS (ppm)	5
All Other Grades	NIOSH, TWA (ppm)	5
<b>64742-52-5 / 64742-53-6</b>		

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### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Black liquid. Mild hydrocarbon odor. Can burn in a fire.

#### POTENTIAL HEALTH EFFECTS:

**INHALATION:** Will not produce vapors unless heated to temperatures of ~300 °F.

**EYE CONTACT:** Irritating, but will not permanently injure eye tissue.

**SKIN CONTACT:** Prolonged or repeated contact may cause skin irritation.

**INGESTION:** Small amounts (tablespoonful) swallowed are not likely to cause injury. Larger amounts may cause nausea and vomiting. Consult a physician promptly.

**CHRONIC (CANCER) INFORMATION:** According to IARC Monographs, neither severely hydrotreated lube oil nor bitumen has shown sufficient evidence to be considered carcinogenic. Ebonite products are composed of these two components. Thus, these oils are **Unlabeled** in accordance with 29 CFR 1910.1200.

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### 4. FIRST AID MEASURES

**EYE CONTACT:** Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

**SKIN:** Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

**INGESTION:** If more than several mouthfuls have been swallowed, give two glasses of water (16 Oz.). Get medical attention.

**INHALATION:** If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

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### 5. FIRE FIGHTING MEASURES

Flash Point, °F (Method)	See Section 9 (COC)
Ignition Temp. °F	Not Determined
Flammability Limits (%)	Not Determined

### RECOMMENDED FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES

According to NFPA Guide, use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.

**UNUSUAL OR EXPLOSIVE HAZARDS:** None

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### 6. ACCIDENTAL RELEASE MEASURES

Notify the appropriate authorities immediately. Contain spill, if possible. Avoid breathing vapor. Use self contained breathing apparatus or supplied air for large spills or in confined areas. Wipe up or use suitable absorbent material and shovel into appropriate container for disposal. Prevent entry into sewers or waterways. Avoid contact with skin, eyes or clothing.

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### 7. HANDLING AND STORAGE

**PRECAUTIONS:** Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperature should be minimized. Water contamination should be avoided.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT

**EYE/FACE PROTECTION:** Chemical-type goggles or face shield recommended to prevent eye exposure.

**SKIN PROTECTION:** Workers should wash exposed skin several times daily with soap and water. Soiled clothing should be laundered or dry cleaned at least weekly.

**RESPIRATORY PROTECTION:** Airborne concentrations should be kept to lowest levels. If vapor is generated, use respirator approved by OSHA or NIOSH as appropriate. Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. See Exposure Limit below.

**VENTILATION:** Must be adequate to meet exposure limits below.

**EXPOSURE LIMIT (TOTAL PRODUCT):**

5 mg/m<sup>3</sup> for mineral oil mist over an 8 hour daily exposure (ACGIH).

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Black liquid. Mineral odor.  
**% VOC:** Essentially Zero  
**FREEZING POINT:** Not applicable  
**VAPOR PRESSURE:** Insignificant @ atmospheric pressure  
**pH:** Not available  
**SOLUBILITY IN WATER:** Insoluble  
**VAPOR DENSITY (Air=1):** 1+

<u>GRADE</u>	<u>VISCOSITY, cSt @ 100 °C</u>	<u>FLASH, °C (COC)</u>	<u>SPECIFIC GRAVITY</u>	<u>BOILING POINT., °C</u>
M-90	18.01	216	.925	>316
M-100	19.60	232	.925	>316
H-150	32.0	260	.949	>316
H-180	38.8	260	.952	>316
M-180	39.8	210	.951	>316
H-200	43	266	.954	>316
M-220	46	210	.956	>316
M-250	50.78	210	.958	>316
MV-127	60	227	.963	>316
OGI-330	328.4	275	.983	>316
3150	2800 (60°C)	282	.981	>316

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### 10. STABILITY AND REACTIVITY

- This material reacts violently with strong oxidizers.
- Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones when heated to combustion.
- Hazardous polymerization does not occur.

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### 11. TOXICOLOGICAL INFORMATION

TOXOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Not Available

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### 12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment. A film or sheen will cause discoloration of the water surface or adjoining shoreline.

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### 13. DISPOSAL CONSIDERATIONS

This product has been evaluated for RCRA characteristics and *does not* meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This product is subject in service to chemical alteration which may render the resulting material hazardous.

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### 14. TRANSPORT INFORMATION

<u>PRODUCT</u>	<u>DOT</u>	<u>CLASS</u>	<u>PLACARD NO.</u>	<u>PACKAGING</u>
Elevated Temperature Material Liquid	9	UN3257	PG III	

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### 15. REGULATORY INFORMATION

- TSCA:** All components of this material are listed in the U.S. TSCA Inventory.
- OSHA:** According to IARC Monographs, neither severely hydrotreated lube oil nor bitumen has shown sufficient evidence to be considered carcinogenic. Ebonite products are composed of these two components. Thus, these oils are **Unlabeled** in accordance with 29 CFR 1910.1200.

**SARA TITLE III:**

Section 302/304 Extremely Hazardous Substance	None
Section 313 Toxic Chemicals	None

**CERCLA:**

Section 102(a) Hazardous Substance	No Reportable Quantity (RQ) Substances
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**CANADIAN DOMESTIC SUBSTANCES LIST** - - All components of this material are listed.

**EINECS (European Inventory of Existing Commercial Chemical Substances):** All components of this material are listed.

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### 16. OTHER INFORMATION

#### Hazard Ratings Recommended for Containers

<u>NEPA</u>	<u>HMIS</u>
Fire 1	Health 1
Health 1	Flammability 1
Reactivity 0	Reactivity 0
Specific Hazard none	Personal Protection Index B

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NA = Not Available

Not App. = Not Applicable

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### 17. PRODUCT LABEL

Product Trade Name: Ebonite Series

Date: 4-19-05

Tank Car Number: NA

Cross Truck Loading Manifest No: NA

#### WARNING

**Avoid Prolonged Breathing of Mist or Spray:** Average exposure to airborne mist for an 8 hour workday should not exceed 5.0 milligrams of mist per cubic meter of air.

**Avoid Eye and Skin Contact:** Wear oil-impervious protective clothing. If clothes become contaminated, change to clean clothing after thoroughly washing exposed skin with soap and warm water.

#### FIRST AID

**Inhalation:** If overcome by fumes, remove from exposure immediately and call a physician.

**Skin:** Wash with warm water and soap until the exposed area is clean.

**Eyes:** Flush with water for at least fifteen (15) minutes. See physician if symptoms persist.

**Ingestion:** Do not induce vomiting. Obtain medical assistance. Small amounts that accidentally enter through the mouth should be rinsed out until no taste of it remains.

#### FIRE CONTROL

Use water spray or fog, chemical foam, dry powder or carbon dioxide.

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### 17. PRODUCT LABEL (Continued)

#### SPILL / LEAK

Add absorbent (sand, sawdust, etc.) to the spill area. Contain spill. Advise State Environmental Protection Agency, if required. Put recovered material in an appropriate container and dispose of according to federal, state, and local regulations. For guidance call Cross Oil Refining & Marketing Co. at (870) 881-8700, Ext. 1163

#### STORAGE

Store in original or equivalent container. Store at the lowest practical temperature. Keep container closed when not in use. Do not apply heat or flame to the container

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