

Material Safety Data Sheet



Hydrocon Series

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Revised: 4-19-05
MSDS #: hydrocon

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: HYDROCON SERIES

General Uses: Process oil, Chemical Carrier, Lubricant.

Product Description: Amber Liquid, Hydrocarbon Odor.

MANUFACTURER:

Cross Oil Refining & Marketing Co., 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

2. COMPOSITION INFORMATION

CHEMICAL FAMILY: Petroleum Hydrocarbon	Common Name: Naphthenic Oil	<u>% Vol.</u>
	Rust & Oxidation Inhib.	99.4 to 99.7 % 0.6 to 0.3 %
HAZARDOUS INGREDIENTS: None Known	Exposure Limits (Oil Mist):	TWA
CAS #: 64742-52-5	ACGIH, TLV (ppm),	5
128-39-2 / Proprietary (Hydrocon 200 Series)	OSHA, PELS (ppm)	5
64742-22-8/64742-55-8/23619-56-1 (Hydrocon 300 Series)	NIOSH, TWA (ppm)	5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear light to dark amber 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: IARC Monographs state that when laboratory animals are exposed to severely hydrotreated oils, such as these products, there is *insufficient evidence* for cancer. Thus, these oils are **Unlabeled** in accordance with 29 CFR 1910.1200.

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
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

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.

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.

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/m³ for mineral oil mist over an 8 hour daily exposure (ACGIH).

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Bright ,clear liquid. Mineral odor.
% VOC 100 (Can be totally burned)
FREEZING POINT: Not applicable
VAPOR PRESSURE: See Below
pH: Not available
SOLUBILITY IN WATER: Insoluble
VAPOR DENSITY (Air=1): 1+

GRADE	VISCOSITY, ctSt @ 40°C	FLASH, °C (COC)	SPECIFIC GRAVITY	Vapor Pressure, PSI @ 100 °F	BOILING POINT, °C
332	30.7	166	0.915	0.55	360
346	44.0	178	0.918	0.52	371
368	66.4	188	0.923	0.51	377
3100	97.6	202	0.925	.49	385
3150	143.7	210	0.929	.44	390

10 .STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

TOXOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Median Lethal Dose (LD50 LC50) (Species)

Oral:	Believed to be >5g/kg (rat); practically non-toxic
Inhalation:	Not Determined
Dermal:	Believed to be >3 g/kg (rat); practically non-toxic.
Irritation Index:	Estimation of Irritation (Species).
Skin:	Believed to be <0.5/8.0 (rabbit); no appreciable effect
Eyes:	Believed to be <15/110 (rabbit); no appreciable effect
Sensitization:	Not Available
Other:	None

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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.

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.

14. TRANSPORT INFORMATION

<u>PRODUCT</u>	<u>DOT</u>		<u>PACKAGING</u>
	<u>CLASS</u>	<u>PLACARD NO.</u>	
Not App.	Not App	Not App.	Not App.

15. REGULATORY INFORMATION

- TSCA:** All components of this material are listed in the U.S. TSCA Inventory.
- OSHA:** IARC Monographs state that when laboratory animals are exposed to severely hydrotreated oils, such as these products, there is *insufficient evidence* for cancer. 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 |
|------------------------------------|---|
- We recommend you contact local authorities to determine if there may be other local reporting requirements.*
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16. OTHER INFORMATION

Hazard Ratings Recommended for Containers

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