



MATERIAL SAFETY DATA SHEET

I. MATERIAL IDENTIFICATION

Name: Clarified Oil, Slurry Oil, Decant Oil
Conoco Product Code: 1072
Synonyms: Catalytic Cracked Clarified Oil;
FCC Decant; FCC Clarified; FCC Slurry;
Catalytic Cracked Decant Oil
Chemical Family: Petroleum Hydrocarbons
Manufacturer: Conoco Inc.
Address: P.O. Box 1267, Ponca City, OK 74604

CAS Reg. No.: Mixture; components
may be some combination
of 64741-62-4, 64741-81-7.
Transportation Emergency No.:
(800) 424-9300 (Chemtrec)
Product Information No.:
(405) 767-6000

II. HAZARDOUS INGREDIENTS

HAZARD DATA

Hazard Determination:

Health Effect Properties:

Clarified Oil (CAS No. 64741-62-4)/
Polynuclear Aromatic Hydrocarbons
(PNAs)

Potential animal carcinogen and liver
toxin (see section VII).

Physical Effect Properties:

Product/Mixture: None.

Not Applicable.

III. PHYSICAL DATA

Appearance and Odor: Black, viscous liquid, petroleum odor.

Vapor Pressure (PSI), 100° F Nil

Specific Gravity (H₂O)=1)

1.03 - 1.12

Vapor Density Air=1)

Not Applicable

% Volatile (by volume)

Nil

Solubility in Water

Nil

Evaporation Rate (Ether=1)

Nil

Distillation Range

> 650° F

IV. REACTIVITY DATA

Stable: **X**

Unstable:

Hazardous Decomposition Products: Oxides of carbon, sulfur, and nitrogen.

Conditions To Avoid: Strong oxidizing materials, heat, flame.

Hazardous Polymerization: Will not occur.

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used): > 200° F (PM)*

Handle and store in accordance with NFPA procedure for Class III B Combustible Liquid.

Extinguishing Media: Use water spray, dry chemical, foam, or carbon dioxide.

Special Fire Fighting Procedures: Use water to keep fire-exposed containers cool.
If leak or spill has not ignited, use water spray to disperse the vapors and
to provide protection for men attempting to stop a leak, Water spray may
be used to flush spills away from sources of ignition.

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V. FIRE AND EXPLOSION HAZARD DATA (continued)

Unusual Fire and Explosion Hazards: Do not heat above flash point. Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

National Fire Protection Association (NFPA)

Health 0 Fire 2 Reactivity 0

HAZARD RATING

Least - 0 Slight - 1 Moderate - 2
High - 3 Extreme - 4

VI. TRANSPORTATION AND STORAGE

DOT HAZARD CLASS: Not Applicable

Precautions To Be Taken In Handling And Storing: Product is Class III B Combustible Liquid per NFPA Code No. 30-1984. Store and handle accordingly.

*200° F is a limitation of the application for regulations in this subchapter and should not be construed as indicating that liquids with higher flash points will not burn.

Shipping Paper Description: Not D.O.T. Regulated.

Placard: Not D.O.T. Regulated.

D.O.T. Label: Not Regulated.

OSHA Label: CAUTION: Minimize exposure. This product may contain certain hydrocarbons (PNAs) which have caused cancer in laboratory animals. Wash thoroughly with soap and water after contact.

VII. HEALTH HAZARD INFORMATION

PEL Not Established (refer to the Coal Tar Pitch Volatile Standard; 0.2 mg/m³)

TLV Not Established (refer to the Coal Tar Pitch Volatiles; 0.2 mg/m³)

Ceiling Value Not Established AEL Not Established

Primary Route(s) of Exposure/Entry: Skin, Inhalation.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure:

No adverse health effect in humans has been identified specifically for this product. However, health effect information from animal studies has been included on related materials, even though health experts may disagree as to the significance of this data.

Mouse skin painting studies have shown that petroleum distillates having a boiling point above 700° F, and which are similar to ingredients in this product, caused skin tumors. Rat skin painting 90-day studies have shown a clarified slurry oil to cause liver damage and death at doses as low as 8 mg/kg/day. Carbazole derivatives are thought to be the chemical components causing the liver damage.

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VII. HEALTH HAZARD INFORMATION (continued)

The product may cause irritation to eyes, lungs or skin after prolonged or repeated contact.

Intermittent or occasional skin contact with the material is not expected to have serious health effects as long as good personal hygiene measures, such as those outlined in this material safety data sheet are followed.

Listed as Carcinogen or Potential Carcinogen by: NTP No IARC Yes OSHA No

VIII. EMERGENCY AND FIRST AID PROCEDURES

Eyes: Immediately wash with fresh water for at least 15 minutes and get medical attention.

Skin: Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation persists, consult a physician.

Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.

If exposed to hot oil, immediately cool with cold water. Do not attempt to remove oil but continue to cool exposed areas with cold packs and seek medical assistance immediately.

Inhalation: If overexposure occurs, remove individual to fresh air. If breathing stops, administer artificial respiration.

Ingestion: If large amount of material is swallowed, do not induce vomiting. If vomiting begins, lower victim's head in an effort to prevent vomitus from entering lungs. Immediately consult a physician. Do not attempt to give liquid to an unconscious person.

Note to Physician: Gastric lavage by qualified medical personnel may be considered, depending on quantity of material ingested.

IX. SPILL, LEAK AND DISPOSAL PROCEDURES

RCRA HAZARDOUS WASTE: Yes No X

In Case of Spill or Leak: Contain spill immediately in smallest area possible. Allow hot oil to cool. Use shovel or mechanical means to scoop up spilled material including contaminated soil and place in proper containers for storage and ultimate disposal. Avoid washing, draining or diverting material to storm or sanitary sewers.

Waste Disposal Method: Recycle as much of the recoverable product as possible. Dispose of nonrecyclable material by controlled incineration, complying with federal, state and local regulations. Avoid drainage into storm or sanitary sewer.

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I. PRECAUTIONARY MEASURES

Respiratory Protection: NIOSH-approved particulate respirator where necessary to avoid inhalation of mists or hot fumes.

Ventilation: Local Exhaust -- As required to remove vapors and fumes from hot materials.

Protective Gloves: Neoprene or NBR recommended (insulated if material is being handled hot).

Eye Protection: Face shield if material is being handled hot.

Other Precautions: Skin contact should be minimized. Complete protective clothing if material is being handled hot. Launder or discard contaminated clothing. Discard heavily contaminated leather material.

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