



C-4 Refrigeration Oil - 4304

MATERIAL SAFETY DATA SHEET
C-4 Refrigeration Oil

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: C-4 Refrigeration Oil
Synonyms: Refined Hydrotreated Naphthenic Oil

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4304

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
Mineral Oils	64742-44-5	100	5mg/m3 (as a mist)	N/A

VOC Content: 9.3%; 0.70 lbs/gal (0.084 mg/L)

III - PHYSICAL DATA

Vapor Pressure: mm Hg:<0.0001 @ 20 ° C
Evaporation Rate: (ether=1): 1000x slower vs eth
Solubility in H₂O: Nil
Freezing Point °F: N/AV
Boiling Point °F: > 500 ° F (IBP)
Specific Gravity H₂O=1 @25° C: 0.9

Vapor Density (Air=1) 60-90° F: >5
VOC Content (% by wt.): nil
pH @ N/A Solution: N/A
pH as Distributed: essentially neutral
Appearance: Water white to straw colored liquid
Odor: Little odor

IV - FIRE AND EXPLOSION

Flash Point F: >350°F **COC Flammable Limits:** N/A
Extinguishing Media: Water fog, chemical foam, dry chemical CO₂.
Special Fire Fighting Procedures: Exercise caution when fighting any chemical fire. Respiratory protection is essential.
Unusual Fire and Explosion Hazards: None

V - REACTIVITY DATA

Stability - Conditions to avoid: None known
Incompatibility: Strong oxidizers.
Hazardous Decomposition Products: Exposure to high temperature can produce carbon monoxide.
Conditions Contributing to Hazardous Polymerizations: None known.

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated /Target Organ Effects),
A. ACUTE (Primary Route of Exposure) EYES & SKIN: May cause reversable eye and skin irritation.
INGESTION: This product is practically non-toxic through ingestion. The acute ORAL LD50 (rats) is >30g/kg.
B. SUBCHRONIC, CHRONIC, OTHER: None known.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: N/A
EYES: In case of contact, flush with plenty of water for at least 15 minutes. If irritation develops, call a physician.
SKIN: N/A
INGESTION: N/A. Good First Aid should be followed in all cases of exposure.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Dispose of in accordance with federal, state and local regulations. Dike area to contain as much spilled material as possible. Remove any remaining material by absorbing on vermiculite or other suitable material and place in sealed metal container for disposal.

Waste Disposal Methods: Mix with a flammable solvent and incinerate in accordance with federal, state and local regulations.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Not required

Eye Protection: Safety glasses **Glove:** Not required

Other Clothing and Equipment: Not required

Ventilation: Local exhaust.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : Wash thoroughly after handling. Keep container closed. Exercise caution in the storage and handling of all chemical substances.

Additional Information: Read and observe any label precautions.

NFPA

Health Hazard.....: 0

Fire Hazard.....: 1

Reactivity.....: 0

Specific Hazard...:

HMIS RATING

Health Hazard.....: 0

Fire Hazard.....: 1

Reactivity.....: 0

Personal Protection...: X (Sec. 9)

Revision Date: 03/15/2002

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