



MATERIAL SAFETY DATA SHEET

Zerol 200TD Refrigeration Oil

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesalers, Inc.	Tel No: (314) 469-7000
Address: 2008 Altom Court St. Louis, MO 63146-4151	(800) 554-5499
	CHEMTREC: (800) 424-9300
Product Name: Zerol 200TD Refrigeration Oil	Product Number: 4308
Synonyms: Alkylbenzene Lubricant	

II - HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL	CAS#	% By Wt	TLV	PEL
Alkyl Benzene	(68855-24-3)	100	N/A	N/A

III - PHYSICAL DATA

Vapor Pressure: mm Hg: 0.001	Vapor Density (Air=1) 60-90F: N/A
Evaporation Rate: (ether=1): N/A	% Volatile by wt.: N/A
Solubility in H2O: Insoluble	pH @ N/AV Solution: N/AV
Freezing Point F: N/AV	pH as Distributed: N/AV
Boiling Point F: 319 C	Appearance: Water White to Amber Liquid
Specific Gravity H2O=1 @25C: 0.87	Odor: Characteristic hydrocarbon odor

IV - FIRE AND EXPLOSION

Flash Point F: (COC) 175 C **Flammable Limits:** N/A
Extinguishing Media: CO2, dry chemical, foam, water fog.
Special Fire Fighting Procedures: For fires involving this material, do not enter any closed or confined fire space without proper protection equipment. This may include self-contained breathing apparatus to protect against the hazardous effect of normal products of combustion or oxygen deficiency. Read entire MSDS.
Unusual Fire and Explosion Hazards: N/AV.

V - REACTIVITY DATA

Stability - Conditions to avoid: Stable
Incompatibility: May react with strong oxidizing materials.
Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.
Conditions Contributing to Hazardous Polymerizations: Will not occur.

Zerol 200TD Refrigeration Oil

VI - HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),**

A. ACUTE (Primary Route of Exposure) EYES: Applications into the eyes of rabbits produced slight membrane irritation without corneal injury. **SKIN:** Product may cause skin irritation on prolonged or frequently repeated contact. Application onto the skin of rabbits produced moderate erythema and edema. **INGESTION:** Not expected to be acutely toxic. (ORAL LD50 Rats >5g/kg). **INHALATION:** Not acutely toxic.

B. SUBCHRONIC, CHRONIC, OTHER: No available information was found.

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: N/A **EYES:** Flush eyes immediately with fresh water for at least 15 minutes while holding eyelids open. If irritation persists, see a doctor. **SKIN:** Wash skin thoroughly with soap and water. See a doctor if rash or burn occurs. Launder contaminated clothing. **INGESTION:** If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest emergency treatment center or hospital.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or ground water. Clean up small spills with absorbent material and remove contaminated soil. Report and respond to larger releases.

Waste Disposal Methods: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local authorities for approved disposal.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Avoid breathing mist or vapor. Use NIOSH/MSHA approved respiratory equipment when airborne exposure is excessive.

Eye: Safety glasses

Glove: Disposable

Other Clothing and Equipment: Wear impervious clothing.

Ventilation: Mechanical ventilation is recommended if handling at elevated temperatures or if handled in such a manner as to cause mists or vapor to form.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: Do not weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. **CAUTION!** Do not use pressure to empty drum or explosion may result.

Additional Information: Read and observe all label precautions.

NFPA HMIS RATING

Health Hazard.....: 0 Health Hazard.....: 0

Fire Hazard.....: 1 Fire Hazard.....: 1

Reactivity.....: 0 Reactivity.....: 0

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

Revision Date: 12/13/96

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions. While Seller believes that the information contained herein is accurate, such information is offered solely for its customers' consideration and verification under their specific use conditions.