

MATERIAL SAFETY DATA SHEET

CALCASIEU REFINING COMPANY

DATE: July 19, 2001

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PRODUCT IDENTIFICATION

**PRODUCT: KEROSENE (JET A AVIATION GRADE TURBINE FUEL)
KEROSENE (K - 1 GRADE 55)**

CAS No. 8008-20-6

DOT No. Kerosene, 3, Flammable Liquid, UN1223, PGIII

MANUFACTURER: Calcasieu Refining Company
4359 West Tank Farm Road
Lake Charles, Louisiana 70605
(337) 478-2130

TRANSP. EMER: INFOTRAC 1-800-535-5053 (24 HR)

HAZARDOUS INGREDIENTS

This material is defined as hazardous by OSHA's 29 CFR 1910.1200

<u>INGREDIENT</u>	<u>CAS No.</u>	<u>VOL. %</u>	OSHA 191.1000	
			<u>TWA (8 HR.)</u>	<u>STEL (15 MIN.)</u>
Hydrocarbons	Mixture	100 (Total)	-----	-----
Naphthalene	91-20-3	0.7 - 1.5	10 PPM	15 PPM

NFPA HAZARD RATING

HEALTH: 0 (LEAST) FLAMMABILITY: 2 (MODERATE) REACTIVITY: 0 (LEAST)

PHYSICAL PROPERTIES DATA

Boiling Range: 280 - 550⁰F Sp.Gr. (60⁰F): 0.80 - 0.83
Vapor Press. (100⁰F): 0.1 psia Solubility (water): negligible
Vapor Density: > 1 Color: clear to light straw

STABILITY AND REACTIVITY

Chemical stability: ----- Stable at normal temperatures
Incompatibility: ----- Avoid strong oxidizers and acids. Avoid storage or contact with some plastics and elastomers. Consult a chemical resistance guide.
Conditions to avoid: ----- Avoid heat, sparks, flame and other ignition sources.
Decomposition: ----- Combustion may produce carbon monoxide or dioxide and/or other hazardous hydrocarbons.

Polymerization: ----- Should not occur.

FIRE AND EXPLOSION INFORMATION

FLASH POINT (CC): > 100⁰F FLAM. LIMITS: 0.7% (L) – 5.0% (U)

Note: Avoid heat, sparks, or build-up of static electricity.

EXTINGUISHING MEDIA: Foam, dry chemical, CO₂.

Note: Water could be use, but may be ineffective except to keep exposed container cool.
Can also be used to disperse if unignited.

HEALTH HAZARD INFORMATION

PRIMARY ROUTES (EXPOSURE / ENTRY): Skin, Inhalation

Typical petroleum hydrocarbons in this boiling range may cause irritation tot he eyes lungs, or skin after prolonged or repeated exposure. Prompt removal of this product should prevent any chronic health problems. Also, avoid breathing of the vapors.

The reportable toxic ingredient (Naphthalene) may cause nausea, headache, vomiting, anemia upon prolonged or repeated contact.

FIRST AID

INHALATION: Remove to fresh air. If breathing difficult, give oxygen. If not breathing difficult, give artificial respiration and call a physician.

SKIN CONTACT: Immediately wash with soap and water. Change clothing.

EYE CONTACT: Immediately flush with water. Call physician.

INGESTION: Do not induce vomiting. Call physician.

PROTECTIVE EQUIPMENT

HANDLING: Wear protective gloves (Neoprene or NBR). Wear safety glasses with side shields or, if splashing is probable, wear chemical goggles

RESPIRATORY PROTECTION: Avoid breathing vapors. If a situation exists for the potential of exceeding exposure limits, it will be necessary to determine whether an organic vapor cartridge will suffice or positive pressure breathing equipment will be required.

SPILL, LEAK, AND DISPOSAL INFORMATION

SPILLS & LEAKS: Evacuate as required. Remove sources of heat, sparks, etc. Attempt to isolate spill and keep from entering sewers and waterways. Recover free liquid for reclamation.

DISPOSAL: Soak up with an absorbent material. This material may be a RCRA hazardous waste and, if so, must be handled according to applicable regulation.

Note: Review appropriate safety sections of this MSDS.

REGULATORY INFORMATION

CERCLA (40 CFR 302)

This material contains the following hazardous ingredients which, when released in quantities equal to or greater than shown, triggers National Response Center and possibly State notification requirements.

<u>INGREDIENT</u>	<u>REPORTABLE QUANTITY</u>
Naphthalene	100 Pounds

SARA TITLE III

- 1) SECTION 302 / 304 (40 CFR 355)
This material is not known to contain extremely hazardous substances at greater than 1.0% concentration.
- 2) SECTION 311/ 312 (40 CFR 370)
This material should be reported under the following hazard categories:

Immediate (Acute), Delayed (Chronic), Fire
- 3) SECTION 313 (40 CFR 372)
This material contains the following ingredients subject to reporting as a toxic chemical.

<u>INGREDIENT</u>	<u>CAS No.</u>	<u>APPROX. MAX. CONC.</u>
Naphthalene	91-20-3	3%

TSCA (40 CFR 710)

This material is a mixture as defined by TSCA. The chemical ingredients in this material are in section (8b) chemical substance inventory and/or otherwise in compliance.

RCRA (40 CFR 261 – SUBPART C AND D)

This material, when discarded or disposed of, is not specifically listed as a hazardous waste. However, it could be considered hazardous if it meets the criteria for being ignitable or toxic. Also, it may be hazardous due to State regulations, If it contacts a listed hazardous waste, check 40 CFR 261, 262-265, and 268 to determine status.

FEDERAL CLEAN WATER ACT (40 CFR 116.4) SECTION 311

This material contains the following ingredient (s) which is considered hazardous if spilled in navigable waters.

<u>INGREDIENT</u>	<u>REPORTABLE QUANTITY</u>
Petroleum Hydrocarbon	film or sheen upon or discoloration of water surface or adjoining shoreline.

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS (49 CFR 171-178)

This material contains the following ingredient (s) which is considered a hazardous substance as defined in 49 CFR 172.101 if spilled while being transported in commerce.

<u>INGREDIENT</u>	<u>REPORTABLE QUANTITY</u>
Naphthalene	100 Pounds

STATE REGULATION

CALIFORNIA (PROPOSITION 65)

Chemicals known to California to cause cancer, birth defects, or other reproductive harm might be found in this product, although none have been specifically identified.

LOUISIANA (RS. 30:2361 et seq.)

This material may be regulated by Louisiana's Right-To-Know Law.

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