



U.S. OIL CO., INC.

MAIN OFFICE
P.O. BOX 25
COMBINED LOCKS,
WI 54113

PH: 414-739-6100

MATERIAL SAFETY DATA SHEET

EMERGENCY TELEPHONE
COMPANY: 414-739-6100

CHEMTREC: 800-424-9300

I. PRODUCT IDENTIFICATION

PRODUCT: Fuel Oil (Diesel) CHEMICAL NAME: Distillate Fuel
TRADE NAME & SYNONYMS: #2 Fuel Oil, #2 Diesel Fuel, Home Heating Oil,
Premium Diesel Fuel, #1 Fuel Oil, #1 Diesel Fuel, K-1 Kerosene,
Kerosene Diesel Fuel
CHEMICAL FAMILY: Petroleum Hydrocarbon Distillate
FORMULA: C11 - C20 CAS NUMBER: Mixture

II. HAZARDOUS COMPONENTS

<u>INGREDIENT</u>	<u>%</u>	<u>OSHA LIMIT</u>	<u>TLV</u>
Fuel Oil	100	Petroleum Distillates TWA - 500 ppm	None Established

Complex mixture of paraffinic, cycloparaffinic, olefinic & aromatic hydrocarbons.

III. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 300-700°F	PERCENT VOLATILE BY VOLUME: 100%
VAPOR PRESSURE: 0.1-0.5 mmHg @ 100°F	MOLECULAR WEIGHT: Not Available
EVAPORATION: Slow	APPEARANCE: Clear to Light Yellow or Amber in color
ODOR & THRESHOLD: Kerosene odor	VISCOSITY: 30-42 SUS @ 100°F
VAPOR DENSITY: 4+ (Air = 1)	SOLUBILITY: Negligible
SPECIFIC GRAVITY: 0.75-0.88	

IV. FIRE PROTECTION INFORMATION

FLASH POINT AND METHOD: Estimated 115°F - 160°F (Closed Cup ASTM-D93)
AUTOIGNITION TEMPERATURE: 350-545°F

EXTINGUISHING MEDIA: Carbon dioxide (CO₂), dry chemical, foam, water fog, or vaporizing liquid (Halon). Water stream may spread fire; use water spray only to cool containers exposed to fire. If leak or spill has not ignited, use water spray to disperse the vapors.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion can yield carbon monoxide, carbon dioxide, and various hydrocarbons.

IV. FIRE PROTECTION INFORMATION (cont.)

FIRE AND EXPLOSION HAZARDS: Moderately combustible! When heated above the flash point, this material will release flammable vapors which, if exposed to an ignition source, can burn in the open or be explosive in confined spaces. Mists or sprays may be flammable at temperatures below the normal flash point. See section VIII for Switch Loading procedures and hazards.

HAZARDOUS POLYMERIZATION: Will not occur **STABILITY:** Stable
CONDITIONS TO AVOID: Heat, sparks, flame, and static electricity.

V. HEALTH INFORMATION

INHALATION: Possible effects include headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, pneumonitis, pulmonary edema, and central nervous system depression depending on the concentration and duration of exposure.

EYE CONTACT: Mild eye irritation may result from contact with liquid, mist, and/or vapors.

SKIN CONTACT: This material is considered a moderate skin irritant. Irritation leading to dermatitis may result from prolonged or repeated exposure due to skin defatting. This product contains petroleum distillates similar to those shown to produce skin tumors on laboratory animals.

INGESTION: Possible effects include headache, nasal and respiratory irritation, nausea, drowsiness, fatigue, pneumonitis, pulmonary edema, central nervous system depression. Aspiration into lungs will cause chemical pneumonia.

VI. FIRST AID PROCEDURES

INHALATION: Immediately move personnel to area of fresh air. For respiratory distress, give air, oxygen, or administer CPR (cardiopulmonary resuscitation). If necessary, obtain medical attention if breathing difficulties continue.

EYE CONTACT: Immediately flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting lower and upper lids. If irritation persists, obtain medical attention.

SKIN CONTACT: If clothing is soaked, immediately remove clothing and wash affected skin with soap and water. If irritation persists, seek medical attention. Launder clothing before reuse, but discard contaminated leather shoes/gloves.

INGESTION: Do NOT induce vomiting, since aspiration into the lungs will cause chemical pneumonia. Promptly obtain medical attention.

GENERAL: Personnel with pre-existing skin disorders or chronic respiratory diseases should avoid exposure to this product.