



Crude Logistics

MATERIAL SAFETY DATA SHEET NO. 2 DIESEL FUEL, LOW SULFUR, ALL GRADES

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **NO.2 DIESEL FUEL, LOW SULFUR, ALL GRADES**
 CHEMICAL FAMILY NAME: Diesel Fuel
 U.N. NUMBER: NA 1993
 U.N. DANGEROUS GOODS CLASS: Diesel Fuel, Class 3, Combustible Liquid with flash point greater than 100°F
 SUPPLIER/MANUFACTURER'S NAME: **NGL Crude Logistics, LLC.**
 ADDRESS: 2900 North Loop West Suite 1250, Houston, TX 77092 USA
EMERGENCY PHONE: TOLL-FREE in USA/Canada 800-424-9300 Chemtrec
 BUSINESS PHONE: 713-730-7320 (Product Information)
 WEB SITE: www.nglep.com
 DATE OF PREPARATION: January 3, 2012
 DATE OF LAST REVISION: New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a transparent, clear to yellow or red liquid with a characteristic or kerosene-like odor.
Health Hazards: Harmful if swallowed – may enter lungs if swallowed or vomited. May cause irritation to eyes upon contact. Vapors from heated product may cause respiratory irritation.
Flammability Hazards: Combustible liquid with a flash point of 52°C (125.6°F)
Reactivity Hazards: This product is not reactive.
Environmental Hazards: Release of the product may cause adverse effects to the aquatic environment.
Emergency Recommendations: Emergency responders must have personal protective equipment and fire protection appropriate for the situation to which they are responding.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS



EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Warning!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

EC# 270-676-1 Annex 1 Index# 649-227-00-2

GHS Hazard Classification(s):

Carcinogen Category 2
Aspiration Toxicity Category 2

Hazard Statement(s):

H304: May be fatal if swallowed and enters the airways
H320: Causes eye irritation
H335: May cause respiratory irritation

Precautionary Statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection

EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

[Xn] Harmful

Risk Phrases:

R20: Harmful if swallowed
R40: Limited evidence of carcinogenic effects
R65: Harmful: may cause lung damage if swallowed

Safety Phrases:

S37/39: Wear suitable gloves and eye/face protection
S45: In case of an accident or if you feel unwell, seek medical advice immediately
S62: If swallowed do not induce vomiting

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HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE:

INHALATION: Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea.

EYE CONTACT: May cause eye irritation with tearing, redness or stinging. High vapor concentrations may cause irritation.

SKIN CONTACT: Prolonged or repeated contact is not likely to cause significant skin irritation.

INGESTION: Harmful if swallowed - may enter lungs if swallowed or vomited.

CHRONIC:

Secondary effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

TARGET ORGANS: ACUTE: Eye, Respiratory

CHRONIC: None known

SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Diesel Fuel No.2	68476-34-6	270-676-1	1561	100%	HAZARD CLASSIFICATION: Carc Cat 3, [Xn] Harmful RISK PHRASES: R40
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the 29 CFR 1200 and the MSDS contains all the information required by the 29 CFR 1200, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

SECTION 4 - FIRST-AID MEASURES

EYE CONTACT: If product enters the eyes, hold eyes open while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling product. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder clothing before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current response information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory system or eye problems may be aggravated by prolonged contact.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate over exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT:

125.6°F (52°C) (Pensky-Martens closed cup)

AUTOIGNITION TEMPERATURE:

>489°F (>254°C)

FLAMMABLE LIMITS (in air by volume, %):

Lower (LEL): 0.6% Upper (UEL): 7.5%

FIRE EXTINGUISHING MATERIALS:

Extinguish with foam, carbon dioxide, dry powder or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Combustible liquid! This material releases vapors when heated above ambient temperatures.

SPECIAL FIRE-FIGHTING PROCEDURES:

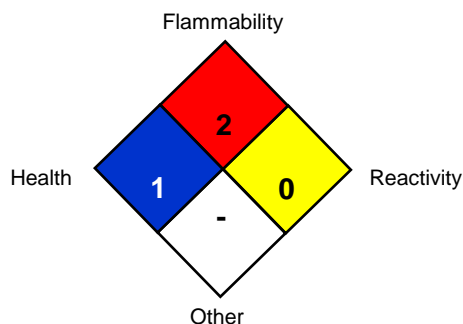
Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done

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without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			2
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.

SPILLS: Contain spill if safe to do so. Small Liquid Spills: Absorb with sand or other non-combustible absorbent material. Large Spillages: Use water spray to disperse vapors and dilute spill to a nonflammable mixture.

Prevent runoff from entering drains, sewers, or streams. Dike for later disposal. Dispose of in accordance with applicable federal, state, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Do not breathe mist or vapor. Do not get in eyes. Use only with adequate ventilation. Keep away from heat, sparks, and flame. Keep container tightly closed and in a well-ventilated place. Use caution when storing or processing at temperatures above 151°C.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

CHEMICAL NAME	CAS#	ACGIH TLV	OSHA TWA
Diesel Fuel No.2	68476-34-6	100 mg/m ³ Skin	Not Listed

Currently, international exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the exposure limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

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RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limit guidelines listed above. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or by EU member states.

EYE PROTECTION: Use safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact as appropriate for task (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Transparent, clear to yellow or red color with characteristic or kerosene-like odor.
ODOR THRESHOLD (PPM):	Mild
VAPOR PRESSURE (mmHg):	<2 mm Hg @ 20°C
VAPOR DENSITY (AIR=1):	AP 5
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (C°):	>154°C (>309°F)
FREEZING POINT (C°):	Not Available
pH:	Not Applicable
SPECIFIC GRAVITY 20°C: (WATER =1)	0.84
SOLUBILITY IN WATER (%):	Slight
VOC%:	840 g/l VOC (w/v)

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: None known

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizing agents, acids

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Contact with incompatible materials

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: The following toxicity data is available for this product:

CAS# 68476-34-6 Oral LD 50 12,000 mg/kg Rat

SUSPECTED CANCER AGENT: None of the ingredients of this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are not considered to be, or suspected to be cancer-causing agents by these agencies.

IRRITANT INFORMATION: Vapors from this product can be irritating to eyes and respiratory system.

SENSITIZER INFORMATION: This product is not considered a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: There is no evidence that this product may cause reproductive effects.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: This product is biodegradable

EFFECT OF MATERIAL ON PLANTS or ANIMALS: This material has not been tested for its effects on plants and animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: This material has not been tested for effects on aquatic life.

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SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

THIS PRODUCT IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Diesel Fuel, Combustible Liquid

HAZARD CLASS NUMBER and DESCRIPTION: Class 3, Combustible Liquid with a flash point greater than 100°F

UN IDENTIFICATION NUMBER: NA 1993

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Class 3 Flammable

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): 128

MARINE POLLUTANT: Product or ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS:

SARA REPORTING REQUIREMENTS: This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) as follows:

SARA 313 Reporting Naphthalene CAS# 91-20-3 <2%, Ethylbenzene CAS# 100-41-4 <0.9%

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: Yes Reactivity: No

U.S. CERCLA REPORTABLE QUANTITY (RQ): CERCLA petroleum exemption applies.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does contain ingredient(s) are on the California Proposition 65 lists.

WARNING! This product contains ingredients that are known to the State of California to cause cancer or Reproductive harm.

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as "Not Controlled" as per the Controlled Product regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed

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on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

MSDS Authoring PLUS

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