

Industrial Diesel Fuels

MATERIAL SAFETY DATA SHEET

Emergency Phone Number (800) 457-2022

INDUSTRIAL DIESEL FUEL

This Material Data Safety Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Revised to update Sections 1, 5, 6, 8, 9, 11 and 12.

1. PRODUCT IDENTIFICATION

INDUSTRIAL DIESEL FUEL

- DANGER! -HARMFUL OR FATAL IF SWALLOWED - CAN ENTER LUNGS
AND CAUSE DAMAGE
-PROLONGED OR REPEATED SKIN CONTACT CAN BE HARMFUL
-MAY CAUSE SKIN IRRITATION
-COMBUSTIBLE
-KEEP OUT OF REACH OF CHILDREN

Revision Number: 2 Revision Date: 03/19/90 MSDA Number: 002916
NDA – No Data Available NA – Not Applicable

2. FIRST AID – EMERGENCY PHONE NUMBER (800) 457-2022

EYE CONTACT:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN CONTACT:

Remove contaminated non-waterproof clothing. Then wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-water proof shoes and boots. Wash contaminated clothing.

INHALATION:

If any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.

INGESTION

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT induce vomit unless directed to do so by medical personnel. If medical advise cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. NOTE TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS – (ALSO SEE SECTIONS 11 & 12)

EYE CONTACT:

This substance is not expected to cause prolonged or significant eye irritation.

SKIN IRRITATION:

This substance is a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain or a feeling of heat, discoloration, swelling, and blistering. Read the Additional Health Data section (12) of this document for more information.

DERMAL TOXICITY:

If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

RESPIRATORY / INHALATION:

Prolonged breathing of vapors can cause central nervous system effects. This hazard evaluation is based on data from similar materials. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, and loss of appetite, weakness and loss of coordination.

INGESTION:

If swallowed, this substance is considered practically non- toxic to internal organs. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This occurs during the act of swallowing or when vomiting the substance.

Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

Avoid contact with skin or clothing. Wearing protective clothing, including gloves, should minimize skin contact.

RESPIRATORY PROTECTION:

This material may be an inhalation hazard and, unless ventilation is adequate, the use of approved respiratory protection is recommended.

VENTILATION:

Use this material only in well-ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (P-M) 125F (52C) MIN.

AUTOIGNITION: NDA

FLAMMABILITY: NDA

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam, and Water Fog.

NFPA RATINGS: Health 0; Flammability 2; Reactivity 0; Special NDA

HMIS RATINGS: Health 2; Flammability 2; Reactivity 0; Other NDA

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

Liquid evaporates and forms vapor (fumes), which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 F.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read this entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE – HANDLING – AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: NDA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

INCOMPATIBILITY: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

SPECIAL PRECAUTIONS: DO NOT STORE near flames, sparks, or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed.

DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

CAUTION: Do not use pressure to empty drum or explosion may result.

WARNING!! Not for use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Dark yellow liquid.

BOILING POINT: 176 –370C (348-698F)

MELTING POINT: NA

EVAPORATION: NDA

SPECIFIC GRAVITY: 0.87

VAPOR PRESSURE: 0.04 PSIA @ 40C

PERCENT VOLATILE (VOLUME %): NDA

VAPOR DENSITY (AIR=1): NDA

VISCOSITY: 31 cSt @ 40C (min)

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: 800-424-9300 (24 HOUR)

SPILL/LEAK PRECAUTIONS: This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer system.

Eliminate all open fumes in vicinity of spill or release vapor. Stop the source of the leak or release as soon as possible, observing precautions in Protective Equipment. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases

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DISPOSAL METHODS: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT: All the components of this material are on the Toxic Substance Control Act Chemical Substance Inventory.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS#	COMPONENT/ REGULATORY LIMITS
100%	Industrial Diesel Fuel

CONTAINING

100%	
CAS68476346	Fuels, Diesel, No. 2
CAS64742809	Hydrodesulfurized Middle Distillate
CAS64771442	Straight Run Middle Distillates
CAS8008206	Kerosene
CAS64742810	Hydrodesulfurized Kerosene
CAS64741599	Distillates, Light Catalytic Cracked
<3.0%	
CAS91203	Naphthalene
	A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
	10 ppm ACGIH TLV
	15 ppm ACGIH STEL
	10 ppm OSHA PEL
	15 ppm OSHA STEL
	CERCLA 302.4 RQ=100 Pounds

TVL – Threshold Limit Value	PEL – Permissible Exposure Limit
STEL – Short Term Exposure Limit	TPS – Threshold Planning Quantity
RQ – Reportable Quantity	CPS – CUSA Product Code
CAS – Chemical Abstract Service Number	

10. REGULATORY INFORMATION

DOT SHIPPING NAME: NDA
 HOT HAZARD CLASS: NDA
 DOT IDENTIFICATION NUMBER: NDA

SARA 311 CATEGORIES:

1. Immediate (Acute) health effects,	Yes
2. Delayed (Chronic) health effects,	Yes
3. Fire hazards,	Yes
4. Sudden release of pressure hazard,	No
5. Reactivity Hazard,	No

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WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

KEROSENE	02, 10, 11	
NAPHTHALENE	01, 02, 10, 11, 14, 15, 17, 18, 26, 28	
01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV		17=OSHA PEL
18=OSHA STEL	19=N/A	20=EPA Carcinogen
21=TSCA SECT 4		22=TSCA SECT 5 SNUR
23=TSCA SECT 6 RULE		24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR		26=TSCA SECT 8D REPORT
27=TSCA SECT 8E		28=CANADIAN WHMIS

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials

DERMAL TOXICITY:

The dermal LD50 in rabbits is > 5 ml./kg.

RESPIRATORY/INHALATION:

NDA. The hazardous evaluation was based on data from similar materials.

INGESTION:

The oral LD50 in rats is > 5 ml/kg.

ADDITIONAL TOXICOLOGY DATA:

The data above is obtained from studies sponsored by the American Petroleum Institute (API).

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:

This product contains a mixture of petroleum hydrocarbons called middle distillates (which means they boil between approximately 350 and 700 F). Because of this broad description, many products are considered middle distillates yet they are produced by a variety of different petroleum refining processes. Toxicity data developed on some middle distillates found that they caused positive responses in some mutagenicity tests and caused skin cancer, when repeatedly applied to mice over their lifetime. This product may contain some middle distillates found to cause those adverse effects.

This product contains naphthalene. Overexposure to naphthalene by inhalation of vapor, ingestion or skin contact may produce signs and symptoms of headache, fever, profuse sweating, nausea, abdominal pain, diarrhea, lethargy, tremors, convulsions, evidence of blood changes, including hematuria and hemoglobinuria, and optic neuritis. Laboratory animals given repeated oral doses of naphthalene have developed cataracts.

