

MATERIAL SAFETY DATA SHEET **Diesel Fuels**

VALERO MARKETING & SUPPLY COMPANY and Affiliates P.O. Box 696000 San Antonio, TX 78269-6000

Emergency Phone Numbers 24 Hour Emergency: 866-565-5220 Chemtrec Emergency: 800-424-9300

General Assistance General Assistance: 210-345-4593

BRAND NAMES: Valero, Diamond Shamrock, Shamrock, Ultramar, Beacon, Total

Section 1. Chemical Product and Company Identification

Common / Trade name

: Diesel Fuels

Synonym

: Diesel Fuels All Grades, Diesel Fuel No.2, Fuel Oil No.2, High Sulfur Diesel Fuel, Low Sulfur Diesel Fuel, Ultra Low Sulfur Diesel Fuel, Off-Road Diesel fuel, Dyed Diesel Fuel, X

Grade Diesel Fuel, X-1 Diesel Fuel

SYNONYMS/COMMON NAMES: This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. Technical specifications vary greatly depending on the product and are not reflected in this document. Consult specification sheets for technical information. This product contains ingredients that are considered to be hazardous as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Material uses

: Motor fuels. Heating fuels.

MSDS #

: 102

CAS#

: 68476-34-6

Section 2. Composition, information on ingredients

	, morning of ingredients		
Name Diesel fuel Naphthalene n-Nonane Hexane (Other Isomers) n-Heptane n-Hexane Octane (All Isomers)	CAS number 68476-34-8 91-20-3 111-84-2 mixture 142-82-5 110-54-3 111-65-9	Concentration (%) 85 - 95 1 - 3 1 - 3 1 - 3 1 - 2 1 - 2	
Hexane (Other Isomers) n-Heptane n-Hexane	mbeture 142-82-5 110-54-3	1 - 3 1 - 3 1 - 2	

Section 3. Hazards Identification

Danger! Diesel Exhaust has been Reported to be an Occupational hazard due to NIOSH-reported potential carcinogenic

Danger! Product May Contain or Release Hydrogen Sulfide. H2S is a highly toxic, highly flammable gas which can be fatal if inhaled at certain concentrations.

May cause irritation to eyes, skin and respiratory system. Avoid liquid, mist and vapor contact. Harmful or fatal if swallowed. Aspiration hazard, can enter lungs and cause damage. May cause irritation or be harmful if inhaled or absorbed through the skin. Avoid prolonged or repeated skin contact. Combustible Liquid. Vapors may explode.

Physical state

: Liquid. (May be dyed red.)

or equien death could occur as a result of long term and/or high concentration exposure to vapors. May also cause anemia and irregular heart rhythm.

See toxicological information (section 11)

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Definitions of Material Safety Data Sheet Terminology

GOVERNMENT AGENCIES AND PRIVATE ASSOCIATIONS

ACGIH - American Conference of Governmental Industrial Hyglenists, (private association) **DOT** - United States Department of Transportation

EPA - United States Environmental Protection Agency

IARC - International Agency for Research on Cancer, (private association)

NFPA - National Fire Protection Association, (private association)

MSHA - Mine Safety and Health Administration, U.S. Department of Labor

NIOSH - National Institute of Occupational Safety and Health, U.S. Department of Health and Human Services

NTP - National Toxicology Program, (private association)

OSHA - Occupational Safety and Health Administration, U.S. Department of Labor

WHMIS- Workplace Hazardous Material Information System

CSA- Canadian Standards Association

HAZARD AND EXPOSURE INFORMATION

Acute Hazard - An adverse health effect which occurs rapidly as a result of short term exposure.

CAS # - American Chemical Society's Chemical Abstract service registry number which identifies the product and/or

Ceiling - The concentration that should not be exceeded during any part of the working exposure

Chronic Hazard - An adverse health effect which generally occurs as a result of long term exposure or short term exposure with delayed health effects and is of long duration

Fire Hazard - A material that poses a physical hazard by being flammable, combustible, phyrophoric or an oxidizer as

Hazard Class - DOT hazard classification

Hazardous Ingredients - Names of Ingredients which have been identified as health hazards

IDLH- Immediately Dangerous to Life and Health, the airborne concentration below which a person can escape without respiratory protection and exposure up to 30 minutes, and not suffer debilitating or irreversible health effects. Established

mg/m2 - Milligrams of contaminant per cubic meter of air, a mass to volume ratio

N/A - Not available or no relevant information found

NA - Not applicable

PEL - OSHA permissible exposure limit; an action level of one half this value may be applicable

PEL - OSHA permissione exposure limit, an action lever of one tiant time value may be appreciate ppm - Part per million (one volume of vapor or gas in one million volumes of air)

Pressure Hazard - A material that poses a physical hazard due to the potential of a sudden release of pressure such as explosive or a compressed gas as defined by 29 CFR 1910.1200

Resolve Hazard - A material that poses a physical hazard due to the potential to become unstable reactive, water reactive contents as a content permission as defined by 28 CFR 1910.1200.

or that is an organic peroxide as defined by 29 CFR 1910.1200.

STEL - The ACGIH Short-Term Exposure Limit, a 15-minute Time-Weighted Average exposure which should not be exceeded at any time during a workday, even if the 8-hour TWA is less than the TLV. TLV - ACGIH Threshold Limit Value, represented herein as an 8-hour TWA concentration.

8-hour TWA - The time weighted average concentration for a normal 8-hour workday and a 40-hour workweek, to which nearly all workers may be repeatedly exposed, day after day, without adverse effect.

- Single dose of a substance that, when administered by a defined route in an animal assay, is expected to the cause the death of 50% of the defined animal population.

LC50 - The concentration of a substance in air that, when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50% of a defined animal population.

Section 4. First Aid Measures

Eye contact

: Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if pain or redness continues.

Skin contact

: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. Wash exposed area thoroughly with soap and water. Remove contaminated clothing promptly and launder before reuse. Contaminated leather goods should be discarded. If irritation persists or symptoms described in the MSDS develop, seek medical attention. High pressure skin injections are SERIOUS MEDICAL EMERGENCIES. Get immediate medical attention.

Inhalation

: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion

: This product may be harmful or fatal if swallowed. This product may cause nausea, vomitting, diarrhea and restlessness. DO NOT INDUCE VOMITING. Aspiration into the lungs can cause severe chemical pneumonitis or pulmonary edema/hemorrhage, which can be fatal. May cause gastrointestinal disturbances. Symptoms may include irritation, depression, vomiting and diarrhea. May cause harmful central nervous system effects, similar to those listed under "inhalation".

Notes to physician

: In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption. Consideration should be given to the use of an intratracheal tube, to prevent aspiration. Irregular heart beat may occur, use of adrenalin is not advisable. Individuals intoxicated by the product should be hospitalized immediately, with acute and continuing attention to neurological and cardiopulmonary function. Positive pressure ventilation may be necessary. After the initial episode, individuals should be monitored for changes in blood variables and the delayed appearance of pulmonary edema and chemical pneumonitis. Such patients should be monitored for several days or weeks for delayed effects, including bone marrow toxicity, hepatic and renal impairment. Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated. In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tiesue loss.

Section 5. Fire Fighting Measures

Flammability of the product

Auto-ignition temperature

Flash point

Combustible. : 257.2°C (495°F)

: Closed cup: 51.67 to 87.78°C (125 to 190°F).

Flammable limits

: Lower: 0.4% Upper: 8%

Products of combustion

: These products are carbon oxides (CO, CO₂), nitrogen and sulfur oxides (NO_X, SO_X), particulate matter, VOC's.

of various substances

Fire hazards in the presence : Flammable in the presence of open flames, sparks and static discharge.

Explosion hazards in the presence of various substances

: Explosive in the presence of open flames, sparks and static discharge.

Fire-fighting media and instructions

: Combustible Liquid. Use dry chemical, foam or carbon dioxide to extinguish the fire. Consult foam manufacturer for appropriate media, application rates and water/foam ratio. Water can be used to cool fire- exposed containers, structures and to protect personnel. If a leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water to flush spills away from sources of ignition. Do not flush down public sewers.

Collect contaminated fire-fighting water separately. It must not enter the sewage system. Dike area of fire to prevent runoff. Decontaminate emergency personnel and equipment with soap and water.

Combustible liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Special protective equipment for fire-fighters Special remarks on fire hazarde

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: No additional remark.

Special remarks on explosion hazards

: No additional remark.

Section 6. Accidental Release Measures

Personal precautions

: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Do not touch or walk through spilled material. Tanks, vessels or other confined spaces which have contained product should be freed of vapors before entering. The container should be checked to ensure a safe atmosphere before entry. Empty containers may contain toxic,flammable/combustible or explosive residues or vapors. Do not cut, grind, drill, weld or reuse empty containers that contained this product. Do not transfer this product to another container unless the container receiving the product is labeled with proper DOT shipping name, hazard class and other information that describes the product and

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. If facility or operation has an "oil or hazardous substance contingency plan", activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew. Extremely flammable. Review Fire and Explosion Hazard Data before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g., by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways. Contact fire authorities and appropriate federal, state and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, contact the National Response Center at 800-424-8802. For highway or railway spitis,

Methods for cleaning up

: If emergency personnel are unavailable, contain spilled material. For small spille, add absorbent (soil may be used in the absence of other suitable materials) and use a nonsparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate

Section 7. Handling and Storage

Handling

: Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling. Use only in well ventilated locations. Keep away from heat, spark and flames. In case of fire, use water spray, foam, dry chemical or carbon dioxide as described in the Fire and Explosion Hazard Data section of the MSDS. Do not pressurize, cut, weld, braze, solder, drill on or near this container. "Empty" container contains residue (liquid and/or vapor) and may explode in heat of a fire.

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Keep out of reach of children. Failure to use caution may cause serious injury or illness. Never siphon by mouth. For use as a motor fuel only. Do not use as a cleaning solvent or for other non-motor fuel uses. Wash thoroughly after handling. To prevent ingestion and exposure - Do not siphon by mouth to transfer product between containers. Use good personal hygiene practices. After handling this product, wash hands before eating, drinking, or using toilet facilities.

Storage

: Store in tightly closed containers in cool, dry, isolated and well ventilated area away from heat, sources of ignition and incompatible materials. Use non-sparking tools and explosion proof equipment. Ground lines, containers, and other equipment used during product transfer to reduce the possibility of a static induced spark. Do not "switch load" because of possible accumulation of a static charge resulting in a source of ignition. Use good personal hygiene practices.

Section 8. Exposure controls, personal protection

Engineering controls

: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Flame Retardant Clothing is recommended.

Respiratory

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal protective equipment (Pictograms)

: Consult your supervisor or S.O.P. for special handling direction.



Personal protection in case of a large spill

: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

Component

Diesel fuel

Exposure limits

Naphthalene

ACGIH TLV (United States, 1/2004). Skin Notes: 2002 Adoption. TWA: 100 mg/m³ 8 hour/hours. Form: Total hydrocarbons

NOSH REL (United States, 6/2001).

STEL: 15 ppm 15 minute/minutes. Form: All forms TWA: 10 ppm 10 hour/hours. Form: All forms

OSHA PEL (United States, 6/1993).

TWA: 10 ppm 8 hour/hours. Form: All forms

ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to

Appendix A - Carcinogens.

STEL: 15 ppm 15 minute/minutes. Form: All forms

TWA: 10 ppm 8 hour/hours. Form: All forms NIOSH REL (United States, 6/2001).

TWA: 200 ppm 10 hour/hours. Form: All forms

n-Nonane

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n-Heptane

n-Hexane

Octane (All Isomers)

Hexane (Other Isomers)

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ACGIH TLV (United States, 9/2004).

TWA: 200 ppm 8 hour/hours. Form: All forms

ACGIH TLV (United States, 9/2004).

STEL: 1000 ppm 15 minute/minutes. Form: All forms

TWA: 500 ppm 8 hour/hours. Form: All forms

NIOSH REL (United States, 6/2001).

CEIL: 510 ppm 15 minute/minutes. Form: All forms

ACGIH TLV (United States, 9/2004).

STEL: 500 ppm 15 minute/minutes. Form: All forms

TWA: 400 ppm 8 hour/hours. Form: All forms

NIOSH REL (United States, 6/2001).

TWA: 350 mg/m3 10 hour/hours. Form: All forms

OSHA PEL (United States, 6/1993).

TWA: 500 ppm 8 hour/hours. Form: All forms

OSHA PEL (United States, 6/1993).

TWA: 500 ppm 8 hour/hours. Form: All forms ACGIH TLV (United States, 9/2004). Skin TWA: 50 ppm 8 hour/hours. Form: All forms

NIOSH REL (United States, 6/2001).

TWA: 50 ppm 10 hour/hours. Form: All forms

NIOSH REL (United States, 6/2001).

CEIL: 385 ppm 15 minute/minutes. Form: All forms
TWA: 75 ppm 10 hour/hours. Form: All forms

OSHA PEL (United States, 6/1993).

TWA: 500 ppm 8 hour/hours. Form: All forms

ACGIH TLV (United States, 3/2004). Notes: 1999 Adoption.

TWA: 300 ppm 8 hour/hours. Form: All forms

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state

: Liquid. (May be dyed red.)

Color

: Clear. Straw.

Odor

: Kerosene (Strong.)

Boiling point

: 162.78 to 371.11°C (325 to 700°F)

Melting/freezing point

: May start to solidify at -51.15°C (-60.1°F) based on data for: n-Nonane. Weighted average: -92.6°C (-134.7°F)

: 0.84 to 0.93 (Water = 1) (@ 60 °F)

Specific gravity Vapor pressure

: <0.7 kPa (<5.2 mm Hg) (at 20°C)

Vapor density Volatility

: 3 (Air = 1)

Evaporation rate

: Negligiible : 0.02

Section 10. Stability and reactivity data

Stability and reactivity

: The product is stable.

Incompatibility with various

: Reactive with oxidizing agents, acids, alkalis.

substances

Hazardous decomposition

products

: These products are carbon oxides (CO, CO₂), nitrogen and sulfur oxides (NO_x, SO_x), particulate matter, VOC's.

Hazardous polymerization

: Will not occur.

Section 11. Toxicological Information

Toxicity data

DIESEL EXHAUST FUMES have been reported to be a potential occupational carcinogen in humans by NIOSH Current Intelligence Bulletin 50.

HEPTANE can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Heptane vapor is a narcotic. Concentrations of 10,000 to 15,000 ppm produced narcosis in mice within 30 to 60 minutes, while 15,000 to 20,000 ppm caused convulsions and death. At 48,000 ppm, respiratory arrest was produced in mice in 3 to 4 minutes from the start of exposure. Human subjects exposed to 1,000 ppm for 6 minutes, or to 2,000 incoordination, but no complaints of eye and upper respiratory tract or nuceus membrane inflation. A 15-minute exposure at 5,000 ppm produced in some subjects a state of storper lasting for 30 minutes after exposure. These subjects also reported loss of appetite, slight nauses, and a taste resembling following prolonged exposure to a petroleum fraction with boiling range between 70C and 100C, and this fraction would normally contain various isomers of hoptane as major ingredients.

n-HEXANE can affect the body if it is inhaled, comes in contact with the eyes or skin, or is swallowed. Hexane vapor is a narcotic and a mild upper respiratory irritant. Polyneuropathy (peripheral nerve damage) has been reported to occur in workers exposed to hexane vapors, characterized by progressive weakness and numbness in the extremities, loss of deep tendon reflexes and reduction of motor nerve conduction velocity. Recovery ranges narcosis in mice within 30 to 60 minutes, convulsions and death occurred at 35,000 to 40,000 ppm, and at 64,000 ppm respiratory arrest was produced in 4.5 minutes from the start of exposure. Concentrations up to 8000 ppm produced no effects, but 5000 ppm resulted in dizziness and a sensation of giddiness. Other investigators reported slight nauses, headache and irritation of the eyes and throat at 1400 to 1500 ppm. In industrial practice, mild narcotic symptoms such as dizziness have been observed when concentrations exceeded 1000 ppm, but not below 500 ppm.

NONANE causes a four hour LC50 in rate at concentrations of 3200 ppm, or at about the same level as VM&P Naphtha. This level is markedly lower than the lethal concentrations reported in earlier mice studies involving octane (13,500 ppm) and heptane (16,000 ppm), supporting the lower limit for nonane.

OCTANE can affect the body if it is inhaled, comes in contact with the skin or eyes or is swallowed. Octane vapor is a mild narcotic and mucous membrane irritant. Concentrations of 6600 to 13,700 ppm produced narcosis in mice in 30 to 90 minutes, the fatal concentration for animals is near 13,500 ppm. No chronic systemic effects have been reported in humans.

NAPHTHALENE can affect the body if it is inhaled, comes into contact with the eyes or the skin or if it is swallowed. Naphthalene vapor causes hemolysis and eye irritation, and may cause cataracts. Severe intoxication from ingestion of the solid results in characteristic manifestations of marked intravescular melisise, profuse sweeting, nauses, verniting, abdominal pain, and irritation of the bladder. There may be progression to jaundice, hermaturis, homoglobinuris, renal substant blockage, and acute renal shuldown. Hermatologic features include red cell fragmentation, leterus, severe anemie with mucleated red cells, leutocytesis, and dramatic decreases in hemoglobin, hermatocal and red cell count; sometimes there is formation of Heinz badies end naphthalene. Cataracts and ocular irritation have been produced experimentally in animals and have been described in humans. Of 21 workers exposed workers exposed to naphthalene for several years. The vapor causes eye irritation at 15 ppm. Eye contact with the solid may result in conjunctivities, chronic dermatitie is rare.

HEXAME ISOMERS are three times as toxic to mice as is pentane. Narcosis was produced in mice within 30-60 minutes at concentrations of 30,000 ppm. in men, concentrations for 10 minutes at 2000 ppm produced no effects, but 5000 ppm caused dizziness and a sense of giddiness. Concentrations of 1400-1500 ppm produced slight nauses, headache, eye, and threat irritation.

Naphthalene Change	Test LD50 LD50 LD50 LD50 LDLo	Result 490 mg/kg 316 mg/kg 1200 mg/kg >2500 mg/kg 100 mg/kg 400 mg/kg	Route Oral Oral Oral Dermal Oral Oral	Specie Rat Mouse Guinea Rat child Dog
Chronic offices	LD50 LD50 LDLo	316 mg/kg 1200 mg/kg >2500 mg/kg 100 mg/kg	Oral Oral Dermal Oral	Mouse Guine Rat

Chronic effects on humans

: CARCINOGENIC EFFECTS: Classified A3 (Proven for animals.) by ACGIH, 3 (Possible for humans.) by European Union [Diesel fuel]. Classified 3 (Not classifiable for humans.) by IARC [Diesel fuel]. Classified 2B (Possible for humans.) by IARC [Naphthalene]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Naphthalene]. Contains material which causes damage to the following organs: blood, kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or comea.

Other toxic effects on humans

Very hazardous in case of eye contact (corrosive).
 Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).

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Special remarks on toxicity

to animals

: No additional remark.

Special remarks on chronic : No additional remark.

effects on humans

Special remarks on other toxic effects on humans

: No additional remark.

Specific effects

Carcinogenic effects

: Contains material which may cause cancer. Risk of cancer depends on duration and

level of exposure.

Target organs

: Contains material which causes damage to the following organs: blood, kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

eye, lens or comea.

Section 12. Ecological Information

Ecotoxicity data

Ingredient name	Species	Period	Result	
Naphthalene	Daphnia magna (EC50)	48 hour/hours	1.6 mg/l	
	Daphnia magna (EC50)	48 hour/hours	2.194 mg/l	
	Daphnia magna (EC50)	48 hour/hours	2.55 mg/l	
	Daphnia pulex (LC50)	96 hour/hours	1 ma/l	
	Oncorhynchus mykiss (LC50)	96 hour/hours	1.6 mg/l	
	Oncorhynchus mykiss (LC50)	96 hour/hours	1.8 mg/l	
n-Hexane	Pimephales promelas (LC50)	96 hour/hours	2.5 mg/l	

Products of degradation

: These products are carbon oxides (CO, CO₂) and water.

Toxicity of the products of

: The products of degradation are less toxic than the product itself.

biodegradation

Section 13. Disposal Considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	UN1202	Diesel fuel	3 Combus tible liquid.	116		Not available.
TDG Classification	UN1202	Diesel fuel Mixture	3	III		Not available.

Section 15. Regulatory Information

United States

U.S. Federal regulations

: TSCA 4(a) final test rules: Hexane (Other Isomers); n-Hexane TSCA 8(a) PAIR: Naphthalene; n-Heptane; n-Nonane

TSCA 8(b) inventory: Hexane (Other Isomers); Naphthalene; n-Heptane; n-Hexane; n-Nonane; Diesel fuel; Octane (All Isomers); Toluene; Benzene

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Hexane (Other Isomers); Naphthalene; n-Hexane; n-Nonane; Octane (All Isomers)

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Hexane (Other Isomers): Fire hazard, Immediate (acute) health hazard; Naphthalene: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; n-Hexane: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; n-Nonane: Fire hazard, Immediate (acute) health hazard; Octane (All Isomers): Fire hazard

Clean Water Act (CWA) 307: Naphthalene; Toluene; Benzene Clean Water Act (CWA) 311: Naphthalene; Toluene; Benzene

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

Product name	CAS number	Concentration
: Naphthalene	91-20-3	1-3
n-Hexane	110-54-3	1-2
: Naphthalene n-Hexane	91-20-3 110-54-3	1-3
	: Naphthalene n-Hexane : Naphthalene	: Naphthalene 91-20-3 n-Hexane 110-54-3 : Naphthalene 91-20-3

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations

: Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Naphthalene; n-Hexane; Toluene; Benzene Illinois toxic substances disclosure to employee act: Naphthalene; n-Hexane; Toluene; Benzene

Rhode Island RTK hazardous substances: Naphthalene; n-Hexane; Toluene; Benzene Pennsylvania RTK: Hexane (Other Isomers): (generic environmental hazard); Naphthalene: (environmental hazard, generic environmental hazard); n-Hexane: (generic environmental hazard); n-Nonane: (generic environmental hazard); Octane (All Isomers): (generic environmental hazard); Toluene: (environmental hazard, generic environmental hazard); Benzene: (special hazard, environmental hazard, generic environmental hazard)

Florida: Naphthalene; n-Hexane; Toluene; Benzene

Michigan critical material: Toluene; Benzene

Massachusetts RTK: Hexane (Other Isomers); Naphthalene; n-Heptane; n-Hexane; n-Nonane; Octane (All Isomers); Toluene; Benzene

New Jersey: Naphthalene; n-Heptane; n-Hexane; n-Nonane; Diesel fuel; Octane (All Isomers); Toluene; Benzene

WARNING: This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Naphthalene; Toluene; Benzene WARNING: This product contains chemical/chemicals known to the state of California to cause reproductive harm (male).: Benzene

California prop. 65 (no significant risk level): Benzene

California prop. 65 (Maximum Acceptable Dosage Level): Toluene; Benzene

WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Toluene; Benzene

WARNING: This product contains chemical/chemicals known to the state of California to