

Revision: 2/20/2015

MidContinental Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Diesel Fuel, All Types	
Synonyms:	Ultra Low Sulfur Diesel; Low Sulfur Diesel; No. 2 Diesel	
Company Name:	MidContinental Chemical Company, Inc. 1802 East 123rd Terrace Olathe, Kansas 66061-5876 USA	Phone Number: (913) 390-5556
Web Site Address:	www.mcchemical.com	
Emergency Contact:	CHEMTREC	24 Hour Emergency Number: (800) 424-9300
Recommended use:	Diesel fuel	

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture: Flammable Liquids: Category 3
Germ Cell Mutagenicity: Category 2
Skin Corrosion / Irritation: Category 2
Carcinogenicity: Category 2
Target Organ Systemic Toxicity (Single Exposure): Category 3 (respiratory irritation narcosis)
Aspiration Hazard – Category 1
Aquatic Toxicity (Chronic): Category 3

Risk Phrases: R5: Heating may cause an explosion.
R8: Contact with combustible material may cause fire.
R10: Flammable.
R20 / 21 / 22: Harmful by inhalation, in contact with skin and if swallowed.
R37 / 38: Irritating to respiratory system and skin.
R52 : Harmful to aquatic organisms.

Label Elements:

Signal Word:

Danger

Pictogram:



GHS Hazard Phrases:

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H341: Suspected of causing genetic defects.
H351: Suspected of causing cancer.
H402: Harmful to aquatic life.

GHS Precaution Phrases

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat / sparks / open flames / hot surfaces – No smoking.
P233: Keep container tightly closed.
P240: Ground / bond container and receiving equipment.
P241: Use explosion-proof equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe dust / fume / gas / mist / vapors / spray.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.
 P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P362: Take off contaminated clothing and wash before reuse.
 P363: Wash contaminated clothing before reuse.

GHS Response Phrases:

P301 + 310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
 P302 + 352: IF ON SKIN: Wash with soap and water.
 P303 + 361 + 353: IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
 P304 + 340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P312: Call a POISON CENTER or doctor / physician if you feel unwell.
 P330: Rinse mouth.
 P331: Do NOT induce vomiting.
 P332 + 313: If skin irritation occurs, get medical advice / attention.
 P337 + 313: If eye irritation persists, get medical advice / attention.

GHS Storage and Disposal Phrases:

P403 + 233: Store in a well ventilated place. Keep container tightly closed.
 P235: Keep cool.
 P405: Store locked up.

3. COMPOSITION / INFORMATION / INGREDIENTS

CAS Number	EC Number	Index Number	Hazardous Components (Chemical Name)	Concentration
68476-34-6	270-676-1	649-227-00-2	Fuels, diesel, no. 2	100 %
91-20-3	202-049-5	601-052-00-2	Naphthalene	<0.1%

4. FIRST AID MEASURES

In Case Of Inhalation: Remove to fresh air. If not breathing, give artificial respiration and contact a physician immediately. If breathing is difficult, administer oxygen and contact a physician immediately.

In Case Of Skin Contact: Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

In Case Of Eye Contact: Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

In Case Of Ingestion: If swallowed, do NOT induce vomiting, but have the victim rinse mouth with water, and then drink 2 - 4 cups of water. Get immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Note To Physician: Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mls of water and mix thoroughly. Administer 5 ml/kg or 350 ml for an average adult. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia. Light hydrocarbons have been associated with cardiac sensitization in abuse situations. Hypoxia or the injection of adrenaline-like substances enhanced these effects.

5. FIREFIGHTING MEASURES

Flash Point: > 52 °C (> 125.0 °F)

Explosive Limits: When heated above 100 °C, may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperatures. Spray storage vessels

Autoignition Point:	with water to maintain temperature below 100 C.
Suitable Extinguishing Media:	Not determined
Fire Fighting Instructions:	Dry chemical, water spray (fog), carbon dioxide, foam.
Flammable Properties And Hazards:	As in any fire, wear self-contained breathing apparatus pressure-demand MSHA / NIOSH (approved or equivalent) and full protective gear. Flammable Liquid. Vapors will burn releasing toxic vapors, fumes and smoke, including carbon monoxide and organic vapors. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture or explosion.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment And Emergency Procedures:	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Eliminate all ignition sources. Keep unnecessary and unprotected personnel from entering.
Environmental Precautions: Steps To Be Taken In Case Material Is Released Or Spilled:	Initial Containment: Eliminate all sources of ignition - heat, sparks, flame, electricity, and impact. Contain spilled material with dikes or absorbents. Marine Pollutant. Do not allow material to enter soil, surface water, or sewer system. Large Spills Procedure: Stop the source of the leak, if it is safe to do so. Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue with inert material (e.g. dry sand or earth,) then place in a chemical waste container. Do not flush to sewer. Use explosion-proof equipment during clean-up. Small Spills Procedure: Absorb spills with inert material. Transfer to a chemical waste container and dispose of properly. Spills are extremely slippery and should be cleaned up immediately. Miscellaneous: Treat or dispose of in accordance with all federal, state, and local requirements.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling:	Ground and bond containers when transferring material. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Keep away from food and drinking water. Secure container after each use. Store in a cool dry, secure area. Keep out of reach of children. Ground containers when transferring material. Avoid contact with strong oxidizing agents. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.
Precautions To Be Taken In Storing:	Store in a tightly closed container. Store in a cool dry place. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Contact with hot surfaces may ignite the product.
Other Precautions:	DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:	<ul style="list-style-type: none"> Fuels, diesel, No. 2: ACGIH: 100 mg/m³ TWA Naphthalene: OSHA PEL: 10 ppm, 50 mg/m³, OSHA TWA: 10 ppm, 50 mg/m³, ACGIH TWA: 10 ppm, 52 mg/m³, OSHA STEL: 15 ppm, 75 mg/m³, ACGIH STEL: 15 ppm, 79 mg/m³
Respiratory Equipment (Specify Type):	Under normal use conditions, with adequate ventilation, no special handling equipment is required. If anticipating close contact with this product or its mist, local ventilation may be required to keep exposure below limits.
Eye Protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Skin Protection:	Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Appearance:	Clear, straw-yellow
Odor:	Mild, petroleum distillate odor
Odor Threshold:	Not determined
Melting Point:	Not determined
Boiling Point:	320 to 690 °F (160 to 366 °C)
Autoignition Point:	494 °F (257 °C)
Flash Point:	> 52 °C (> 125.0 °F)
Explosive Limits:	Not determined
Upper / Lower Flammability or Explosive Limits:	7.5 upper, 0.6 lower
Specific Gravity (Water = 1):	0.83 – 0.876 @ at 60 °F (16 °C)
Vapor Pressure (vs. Air or mm Hg):	0.009 psia @ 70 °F (21 °C)
Vapor Density (vs. Air = 1):	> 0.1
Relative Density:	Not determined
Evaporation Rate:	Not determined
Solubility in Water:	Negligible
pH:	Not determined
Percent Volatile:	100%
Partition Coefficient: n-octanol / water:	Not determined
Decomposition Temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Incompatibility - Materials To Avoid:	Avoid contact with strong oxidizing agents, such as nitric and sulfuric acids, halogens, hydrogen peroxide and chlorinating agents.
Hazardous Decomposition Or Byproducts:	In the case of fire, a complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, smoke and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Hazardous Polymerization:	Will not occur.
Conditions To Avoid:	Sources of ignition and temperatures above 50 °C (122 °F) – 60 °C (140 °F).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Harmful if swallowed. Naphthalene (CAS 91-20-3): Inhalation LC50 Rat >340 mg/m ³ 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg
Potential Health Effects	Solvent Petroleum Naphtha, slightly irritating (rabbit).
Skin Corrosion Property/Stimulativeness	Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed.
Eye Critical Damage/Stimulativeness	Contact with eyes may cause mild irritation.
Ingestion:	Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.
Inhalation:	Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss

of balance and coordination, unconsciousness, coma, respiratory failure, and death.
WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death

Generative Cell Mutagenicity: This material has been positive in a mutagenicity study.

Respiratory Organs

Sensitization/Skin

Sensitization:

This product is not reported to have any skin sensitization effects.

Carcinogenicity:

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

Fuels, diesel, no. 2 (68476-34-6) ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Diesel fuel)

12. **ECOLOGICAL INFORMATION**

Ecotoxicity: General Product Information - Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

Fuels, diesel, no. 2 (CAS 68476-34-6)

Test, Species & Conditions:

96 Hr LC50 Pimephales promelas, 35 mg/L [flow-through]

Naphthalene (CAS 91-20-3)

Test, Species & Conditions:

96 Hr LC50 Pimephales promelas, 5.74-6.44 mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss, 1.6 mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss, 0.91-2.82 mg/L [static]

96 Hr LC50 Pimephales Promelas, 1.99 mg/L [static]

96 Hr LC50 Lepomis, 31.0265 mg/L [static]

72 Hr LC50 Skeletonema, 0.4 mg/L

48 Hr LC50 Daphnia magna, 2.16 mg/L

48 Hr EC50 Daphnia magna, 1.96 mg/L [follow-through]

48 Hr EC50 Daphnia magna, 1.09 – 3.4 mg/L [static]

13. **DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Do not dispose of into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This material, if discarded, is considered a hazardous waste under RCRA Regulation 40 CFR 261.

14. **TRANSPORT INFORMATION**

DOT

UN Number: NA 1993

UN Proper Shipping Name: Diesel Fuel

Hazard Class: 3

Packing Group: III

IMDG
UN Number: UN 1202
UN Proper Shipping Name: DIESEL FUEL
Packing Group: III
Hazard Class: 3
Marine Pollutant: No

15. REGULATORY INFORMATION

EPCRA 311/312 Categories: 1. Immediate (Acute) Health Effects: Yes
 2. Delayed (Chronic) Health Effects: Yes
 3. Fire Hazard: Yes
 4. Sudden Release of Pressure Hazard: No
 5. Reactivity Hazard: No

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Naphthalene (CAS 91-20-3) CERCLA: 100 lb final RQ; 45.4 kg final RQ

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product may contain listed chemicals below the de minimis levels which therefore are not subject to the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372. If you may be required to report releases of chemicals listed in 40 CFR 372.28, you may contact Hess Corporate Safety if you require additional information regarding this product.

State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Fuels, diesel, no. 2	68476-34-6	No	No	No	Yes	No	No
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	Yes	No

Component Analysis - WHMIS IDL: No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis – Inventory

Component	CAS #	TSCA	CAN	EEC
Fuels, diesel, no. 2	68476-34-6	Yes	DSL	EINECS
Naphthalene	91-20-3	Yes	DSL	EINECS

CA Prop. 65

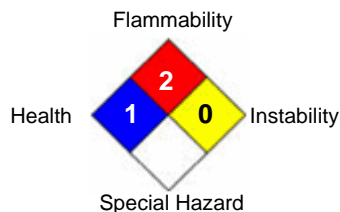


WARNING: This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

Revision Date: 10/01/2018 – CA Prop. 65 Update
Previous Revisions: 02/20/2015 – GHS Compliant
 02/19/2015– Initial Release

Hazard Rating System:



Company Policy or Disclaimer:

The information on this SDS is based on data which is considered to be accurate. MidContinental Chemical Company, however, makes no guarantees or warranty, either expressed or implied of the accuracy or completeness of this information.

The conditions or methods of handling, storage, use and disposal of the products are

beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This SDS was prepared and is to be used for this product. If the product is used as a component in another product, this SDS information may not be applicable.