

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Ultra Low Sulfur Heating Oil

1.2. Other means of identification

Synonyms : ULSH

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fuels

1.4. Supplier's details

Distributor

Northville Industries
225 Broadhollow Road
Suite 212W
New York, 11747
USA
T (631) 293-4700

1.5. Emergency phone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3	H226	Flammable liquid and vapor .
Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled .
Skin corrosion/irritation, Category 2	H315	Causes skin irritation .
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Reproductive toxicity, Category 1B	H360	May damage fertility or the unborn child .
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure .
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways .
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Toxic to aquatic life .
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects .

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H226 - Flammable liquid and vapor .
H304 - May be fatal if swallowed and enters airways .
H315 - Causes skin irritation .

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Precautionary statements (GHS US)

H332 - Harmful if inhaled .
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child .
H373 - May cause damage to organs through prolonged or repeated exposure .
H401 - Toxic to aquatic life .
H411 - Toxic to aquatic life with long lasting effects .
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe dust, fume, gas, mist, vapors, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
P301+P310 - If swallowed: Immediately call a poison center or doctor.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice or attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents and container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

3.2. Mixtures

Name	Product identifier	Conc.	GHS US classification
Fuels, diesel, no. 2	CAS-No.: 68476-34-6	≥ 15	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Carc. 2, H351 Repr. 1B, H360 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Fuels, diesel	CAS-No.: 68334-30-5	≥ 15	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
naphthalene	CAS-No.: 91-20-3	< 3	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.
Personal protection for first-aid responders.	: First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: Risk of lung edema.
Chronic symptoms	: May damage fertility or the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
Environmental precautions : Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up : Notify authorities if product enters sewers or public waters. Clean up any spills as soon as possible, using an absorbent material to collect it.
Other information : Dispose of materials or solid residues at an authorized site.

See Section 13 for disposal information.

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Packaging materials	: Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Fuels, diesel, no. 2 (68476-34-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Diesel No. 2, as total hydrocarbons
ACGIH® TLV® TWA	100 mg/m ³ (inhalable fraction and vapor (Diesel fuel))
Remark (ACGIH®)	TLV® Basis: CNS Impair; Liver dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2025
Fuels, diesel (68334-30-5)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	100 mg/m ³ (inhalable fraction and vapor)
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
naphthalene (91-20-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Naphthalene
ACGIH® TLV® TWA	52 mg/m ³
	10 ppm
Remark (ACGIH®)	TLV® Basis: URT irr; Cataracts; Hemolytic anemia. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

naphthalene (91-20-3)	
ACGIH® chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	Naphthalene
BEI (BLV)	Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis - Sampling time: end of shift (nonquantitative, nonspecific)
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Naphthalene
OSHA PEL TWA	50 mg/m ³
	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	250 ppm
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	50 mg/m ³
	10 ppm
NIOSH REL (STEL)	75 mg/m ³
	15 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Straw red
Odor	: Diesel fuel
Odor threshold	: No data available
pH	: No data available
Melting point	: $> -36.1 - < -9.4$ °C (-33 to 15 °F)
Freezing point	: No data available
Boiling point	: $> 145 - < 390$ °C
Flash point	: > 38 °C
Relative evaporation rate (butyl acetate=1)	: < 1
Flammability (solid, gas)	: Flammable liquid.
Vapor pressure	: 0.4 mm Hg
Relative vapor density at 20°C	: > 1
Relative density	: No data available
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: > 3.6
Auto-ignition temperature	: > 200 °C (> 392 °F)
Decomposition temperature	: No data available
Viscosity, kinematic	: $1.5 - 4.1$ mm ² /s
Explosion limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

VOC content	: 50 – 98 %
-------------	-------------

SECTION 10 Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled .

Ultra Low Sulfur Heating Oil	
ATE US (dust, mist)	4.1 mg/l/4h
Fuels, diesel, no. 2 (68476-34-6)	
LD50 oral rat	> 17900 mg/kg body weight (OECD 401 method); Data source: ECHA registration dossier
LD50 dermal rabbit	> 5000 mg/kg body weight ;No mortalities were reported during the study period; Data source: ECHA registration dossier
LC50 Inhalation - Rat	4.1 mg/l/4h (OECD 403 method); Data source: ECHA registration dossier
ATE US (gases)	4.1 ppmV/4h
ATE US (vapors)	4.1 mg/l/4h
ATE US (dust, mist)	4.1 mg/l/4h
Fuels, diesel (68334-30-5)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 401 method); Data source: ECHA registration dossier
LD50 dermal rabbit	> 5000 mg/kg body weight ;No mortalities were reported during the study period, (OECD 402 method); Data source: ECHA registration dossier
LC50 Inhalation - Rat	4.1 mg/l/4h (OECD 403 method); Data source: ECHA registration dossier
ATE US (gases)	4.1 ppmV/4h
ATE US (vapors)	4.1 mg/l/4h
ATE US (dust, mist)	4.1 mg/l/4h
naphthalene (91-20-3)	
LD50 oral rat	533 mg/kg
LD50 oral	533 mg/kg (OECD 401 method); Data source: ECHA registration dossier
LD50 dermal rat	> 16000 mg/kg body weight (OECD 402 method); Data source: ECHA registration dossier
LC50 Inhalation - Rat (Vapors)	> 0.4 mg/l (OECD 403 method); Data source: ECHA registration dossier
ATE US (oral)	533 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation .
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Fuels, diesel (68334-30-5)	
IARC group	2B - Possibly carcinogenic to humans

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Fuels, diesel (68334-30-5)	
In OSHA Hazard Communication Carcinogen list	Yes
naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: May damage fertility or the unborn child .
naphthalene (91-20-3)	
LOAEL (animal/female, F1)	450 mg/kg body weight rat
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure .
Fuels, diesel, no. 2 (68476-34-6)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Fuels, diesel (68334-30-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
naphthalene (91-20-3)	
LOAEL (oral,rat,90 days)	400 mg/kg body weight (OECD 408 method)
LOAEC (inhalation,rat,vapor,90 days)	0.011 mg/l air (OECD 413 method)
NOAEL (oral,rat,90 days)	200 mg/kg body weight (OECD 408 method)
NOAEL (dermal,rat/rabbit,90 days)	1000 mg/kg body weight rat , (OECD 411 method)
Aspiration hazard	: May be fatal if swallowed and enters airways .
Ultra Low Sulfur Heating Oil	
Viscosity, kinematic	1.5 – 4.1 mm²/s
Fuels, diesel, no. 2 (68476-34-6)	
Hydrocarbon	Yes
Fuels, diesel (68334-30-5)	
Hydrocarbon	Yes
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: Risk of lung edema.
Chronic symptoms	: May damage fertility or the unborn child.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life .
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects .

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Fuels, diesel, no. 2 (68476-34-6)	
LC50 - Fish [1]	> 3.27 mg/l Species: Pimephales promelas
EC50 - Crustacea [1]	> 2.82 mg/l Species: Daphnia magna (Water flea)
EC50 72h - Algae [1]	> 2.64 mg/l Species: Raphidocelis subcapitata
NOEC chronic crustacea	0.15 mg/l Species: Daphnia magna (Water flea)
Fuels, diesel (68334-30-5)	
LC50 - Fish [1]	21 mg/l Species: Oncorhynchus mykiss (Rainbow trout); (OECD 203 method); Data source: ECHA registration dossier
EC50 - Crustacea [1]	68 mg/l Species: Daphnia magna (Water flea), (OECD 202 method); Data source: ECHA registration dossier
EC50 72h - Algae [1]	10 mg/l Species: Raphidocelis subcapitata, (OECD 201 method); Data source: ECHA registration dossier
naphthalene (91-20-3)	
LC50 - Fish [1]	0.9 mg/l Data source: ECHA registration dossier
EC50 - Crustacea [1]	2.16 mg/l Species: Daphnia magna (Water flea), (OECD 202 method); Data source: ECHA registration dossier
EC50 72h - Algae [1]	2.96 mg/l Species: Raphidocelis subcapitata; Data source: ECHA registration dossier
NOEC chronic fish	0.02 mg/l Data source: ECHA registration dossier
NOEC chronic crustacea	0.59 mg/l Data source: ECHA registration dossier
NOEC chronic algae	0.41 mg/l
12.2. Persistence and degradability	
Ultra Low Sulfur Heating Oil	
Persistence and degradability	Not rapidly degradable
Fuels, diesel, no. 2 (68476-34-6)	
Persistence and degradability	Not readily biodegradable.
Fuels, diesel (68334-30-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	57.5 %
naphthalene (91-20-3)	
Persistence and degradability	Inherently biodegradable.
12.3. Bioaccumulative potential	
Ultra Low Sulfur Heating Oil	
Partition coefficient n-octanol/water (Log Pow)	> 3.6
Fuels, diesel (68334-30-5)	
Partition coefficient n-octanol/water (Log Kow)	> 3.9 – 6
naphthalene (91-20-3)	
BCF - Fish [1]	36.5 - 168 dimensionless

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

naphthalene (91-20-3)

Partition coefficient n-octanol/water (Log Pow)	3.4 (25 °C), (OECD 107 method); Data source: ECHA registration dossier
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Flammable vapors may accumulate in the container. Do not re-use empty containers.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1202	UN1202	1202	1202
14.2. Proper Shipping Name			
Diesel fuel	DIESEL FUEL	DIESEL FUEL	Diesel fuel
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Transport in bulk

Not applicable

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

14.7. Special precautions for user

DOT

UN-No. (DOT)	: UN1202
DOT Special Provisions (49 CFR 172.102)	: 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter. B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

TDG

UN-No. (TDG)	: UN1202
TDG Special Provisions	: 88 - Despite the quantity limits in column 9 of Schedule 1 for these dangerous goods, a road vehicle is not a passenger carrying road vehicle unless the passengers in it are transported for hire or reward, 150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan).
Explosive Limit and Limited Quantity Index	: 30 L
Excepted quantities (TDG)	: E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 60 L
Emergency Response Guide (ERG) Number	: 128

IMDG

Special provision (IMDG)	: 363
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Immiscible with water.

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

IATA

Special provision (IATA)	: A3
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 3L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

naphthalene	CAS-No. 91-20-3	< 3%
-------------	-----------------	------

naphthalene (91-20-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
-----------	--------

15.2. International regulations

CANADA

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

Listed on the Canadian DSL (Domestic Substances List)

Fuels, diesel (68334-30-5)

Listed on the Canadian DSL (Domestic Substances List)

naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List)

Toxic Substance (CEPA – Schedule I)	Yes
-------------------------------------	-----

EU-Regulations

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

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Fuels, diesel (68334-30-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

naphthalene (91-20-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Fuels, diesel, no. 2 (68476-34-6)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)

Fuels, diesel (68334-30-5)
Listed on IARC (International Agency for Research on Cancer) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)

naphthalene (91-20-3)
Listed on IARC (International Agency for Research on Cancer) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) Listed on the NCI (Vietnam - National Chemical Inventory) Listed on Thailand Existing Chemicals Inventory (DIW)

15.3. State regulations

 **WARNING:**

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

Component	State or local regulations
Fuels, diesel(68334-30-5)	U.S. - Pennsylvania - RTK (Right to Know) List
naphthalene(91-20-3)	U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Minnesota - Chemicals of High Concern

Ultra Low Sulfur Heating Oil

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Issue date : 11/21/2025

Full text of hazard classes and H-statements	
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H332	Harmful if inhaled
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard

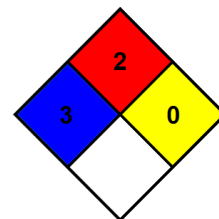
: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability

: * - Chronic (long-term) health effects may result from repeated overexposure
: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II IIIA)

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.