

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product information**

Product Name : Diesel No. 2 Test Fuel  
Material : 1126733, 1126729, 1126732, 1126728, 1126711, 1126727,  
1126710, 1126726, 1126205, 1125693, 1124271, 1101406,  
1117144, 1114932, 1114380, 1114379, 1111796, 1111792,  
1111793, 1111721, 1108397, 1097307, 1096433, 1083233,  
1096612, 1084817, 1097324, 1097322, 1097310, 1089768,  
1079939, 1097309, 1090864, 1077073, 1077061, 1090863,  
1069145, 1100027, 1099634, 1090866, 1099603, 1090314,  
1097785, 1087561, 1092489, 1076410, 1102501, 1097387,  
1090432, 1090433, 1100452, 1097386, 1078955, 1100842,  
1077075, 1097308, 1100531, 1069147, 1090862, 1078060,  
1077077, 1068920, 1078988, 1017963, 1017962, 1036152,  
1024299, 1024300, 1017964, 1024301, 1017977, 1024303,  
1017981, 1017980, 1017965, 1017978, 1017967, 1017966,  
1017979, 1024297, 1024293, 1029744, 1024292, 1017982,  
1024294, 1024296, 1024302, 1024304, 1024309, 1024308,  
1024307, 1024306, 1024295, 1024305, 1024298, 1029490,  
1104964, 1104939, 1104952, 1104938, 1104941, 1104963,  
1104956, 1104955, 1104953

**Company** : Chevron Phillips Chemical Company LP  
Specialty Chemicals  
10001 Six Pines Drive  
The Woodlands, TX 77380

**Emergency telephone:****Health:**

866.442.9628 (North America)

1.832.813.4984 (International)

**Transport:**

CHEMTREC 800.424.9300 or 703.527.3887(int'l)

Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090

Mexico CHEMTREC 01-800-681-9531 (24 hours)

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Argentina: +(54)-1159839431

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)  
 Cyprus: 1401  
 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402  
 Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212  
 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Finland: 0800 147 111 09 471 977 (24 hours/day)  
 France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)  
 Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Greece: (0030) 2107793777 (24 hours/day, 7 days/week)  
 Hungary: +36-80-201-199 (24 hours/day, 7 days/week)  
 Iceland: 543 2222 (24 hours/day, 7 days/week)  
 Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico “Agostino Gemelli”, Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico “Umberto I” Tel. +39 06 4997 8000; POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera “Antonio Cardarelli” Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA – IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO – Azienda Ospedaliera “Papa Giovanni XXIII” Tel. 800 883 300; POISON CENTER VERONA – Azienda Ospedaliera Universitaria integrata Tel. 800 011 858;  
 Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)  
 Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Lithuania: +370 (85) 2362052  
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)  
 Malta: +356 2395 2000  
 The Netherlands: NVIC: +31 (0)88 755 8000  
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)  
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Portugal: CIAV phone number: +351 800 250 250  
 Romania: +40213183606  
 Slovakia: +421 2 5477 4166  
 Slovenia: Phone number: 112  
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)  
 Sweden: 112 – ask for Poisons Information

Responsible Department : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification****Classification of the substance or mixture**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

**Classification**

: Flammable liquids, Category 3  
 Acute toxicity, Category 4, Inhalation  
 Skin irritation, Category 2  
 Carcinogenicity, Category 2  
 Specific target organ toxicity - repeated exposure, Category 2,  
 Liver, Blood, thymus

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

Aspiration hazard, Category 1

**Labeling**

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H226: Flammable liquid and vapor.  
 H304: May be fatal if swallowed and enters airways.  
 H315: Causes skin irritation.  
 H332: Harmful if inhaled.  
 H351: Suspected of causing cancer.  
 H373: May cause damage to organs (Liver, Blood, thymus) through prolonged or repeated exposure.

Precautionary Statements

: **Prevention:**  
 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.  
 P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 P331 Do NOT induce vomiting.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Carcinogenicity:****IARC**

Group 2B: Possibly carcinogenic to humans

Naphthalene 91-20-3

**NTP**

Reasonably anticipated to be a human carcinogen

Naphthalene 91-20-3

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**SECTION 3: Composition/information on ingredients**

Synonyms : Diesel 0.05 LS Emiss Cert Test Fuel- Cummins  
 Diesel 2007 Emission Certification Fuel  
 Diesel CEC (RF-73-T-90)  
 Diesel Euro-II Cert Fuel  
 Diesel Euro-IV Cert Fuel  
 Diesel Reference Fuels, Diesel Cert Fuel, Oil Classification  
 Diesel  
 Diesel 0.05 LS Emiss Cert Test Fuel- ITE  
 Diesel Euro-III Cert Fuel  
 Diesel Special Test Fuel  
 Locomotive Diesel Certification Fuel  
 PC-10 Diesel Test Fuel  
 Diesel CEC (RF-03-A-84)  
 Ultra High Cetane Check Fuel (ASTM) Diesel  
 Diesel 2004 Tier 2 Fuel  
 0.05% Sulfur Diesel Fuel - JASO  
 No Sulfur (less than 3 PPM) Diesel Test Fuel  
 Diesel Caterpillar F173  
 Diesel Caterpillar 1E2973  
 Caterpillar China Certification Diesel Fuel Stage III  
 DIESEL PC-10 TEST FUEL

Molecular formula : UVCB

Component	CAS-No.	Weight %
Diesel fuel, no. 2	68476-34-6	100
Naphthalene	91-20-3	0 - 1

**SECTION 4: First aid measures**

General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.

In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**SECTION 5: Firefighting measures**

Flash point	:	47°C (117°F) minimum
Autoignition temperature	:	No data available
Suitable extinguishing media	:	Alcohol-resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
Specific hazards during fire fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.  Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	:	Hydrocarbons. Carbon oxides.

**SECTION 6: Accidental release measures**

Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**SECTION 7: Handling and storage****Handling**

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition. Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

**Storage**

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters****US**

Components	Basis	Value	Control parameters	Note
Diesel fuel, no. 2	ACGIH	TWA	100 mg/m <sup>3</sup>	A3, Skin, Inhalable fraction and vapor
Naphthalene	ACGIH	TWA	10 ppm,	A3, Skin,
	ACGIH	STEL	15 ppm,	hematologic eff, URT irr, eye irr, eye dam, (), A4, Skin,
	OSHA Z-1	TWA	10 ppm, 50 mg/m <sup>3</sup>	
	OSHA Z-1-A	TWA	10 ppm, 50 mg/m <sup>3</sup>	
	OSHA Z-1-A	STEL	15 ppm, 75 mg/m <sup>3</sup>	

- ( ) Adopted values or notations enclosed are those for which changes are proposed in the NIC
- A3 Confirmed animal carcinogen with unknown relevance to humans
- A4 Not classifiable as a human carcinogen
- eye dam Eye damage
- eye irr Eye irritation
- hematologic eff Hematologic effects
- Skin Danger of cutaneous absorption
- URT irr Upper Respiratory Tract irritation

**Immediately Dangerous to Life or Health Concentrations (IDLH)**

Substance name	CAS-No.	Control parameters	Update
Naphthalene	91-20-3	Immediately Dangerous to Life or Health Concentration Value 250 parts per million	1995-03-01

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Engineering measures**

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal protective equipment**

- Respiratory protection : If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as: Air-Purifying Respirator for Organic Vapors. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate: Flame retardant antistatic protective clothing. Workers should wear antistatic footwear.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Form : liquid  
 Physical state : liquid  
 Color : Pale yellow to brown (if undyed), red to purple (dyed)  
 Odor : Mild

**Safety data**

- Flash point : 47°C (117°F)  
 minimum

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

Lower explosion limit	: No data available
Upper explosion limit	: No data available
Oxidizing properties	: no
Autoignition temperature	: No data available
Molecular formula	: UVCB
Molecular weight	: Not applicable
pH	: Not applicable
Pour point	: No data available
Melting point/freezing point	No data available
Boiling point/boiling range	: 191-343°C (376-649°F)
Vapor pressure	: No data available
Relative density	: 0.87 at 16 °C (61 °F)
Density	: 0.75 - 0.90 g/cm <sup>3</sup>
Water solubility	: negligible
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: 2.55 cSt at 40°C (104°F)
Relative vapor density	: No data available
Evaporation rate	: No data available
Percent volatile	: > 99 %

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	: Stable under recommended storage conditions.
<b>Chemical stability</b>	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Possibility of hazardous reactions</b>	



**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

<b>Hazardous reactions</b>	: Hazardous reactions: Hazardous polymerization does not occur.  Hazardous reactions: Vapors may form explosive mixture with air.
<b>Conditions to avoid</b>	: Heat, flames and sparks.
<b>Materials to avoid</b>	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
<b>Hazardous decomposition products</b>	: Hydrocarbons Carbon oxides
<b>Other data</b>	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information****Acute oral toxicity**

Diesel fuel, no. 2 : LD50: > 5,000 mg/kg  
Species: Rat  
Sex: male and female  
Method: OECD Test Guideline 401

Naphthalene : LD50: 500 mg/kg  
Method: Converted acute toxicity point estimate

**Acute inhalation toxicity**

Diesel fuel, no. 2 : LC50: 4.1 mg/l  
Exposure time: 4 h  
Species: Rat  
Sex: male and female  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Test substance: yes

**Acute dermal toxicity**

Diesel fuel, no. 2 : LD50 Dermal: > 4,300 mg/kg  
Species: Rabbit  
Sex: male and female  
Test substance: yes

**Diesel No. 2 Test Fuel  
Skin irritation**

: Skin irritation

**Diesel No. 2 Test Fuel  
Eye irritation**

: Vapors may cause irritation to the eyes, respiratory system and the skin.

**Diesel No. 2 Test Fuel  
Sensitization**

: No data available

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Repeated dose toxicity**

Diesel fuel, no. 2 : Species: Rat, Male and female  
 Sex: Male and female  
 Application Route: Dermal  
 Dose: 0, 30, 125, 500 mg/kg  
 Exposure time: 13 wks  
 Number of exposures: daily, 5 days/week  
 NOEL: 30 mg/kg  
 Method: OECD Guideline 411  
 Target Organs: Thymus, Liver, Bone marrow  
 Information given is based on data obtained from similar substances.

Species: Rat, Male and female  
 Sex: Male and female  
 Application Route: inhalation (dust/mist/fume)  
 Dose: 0, 0.35, 0.88, 1.71 mg/l  
 Exposure time: 13 wks  
 Number of exposures: Twice/wk  
 NOEL: > 1.71 mg/l  
 Method: OECD Guideline 413

**Genotoxicity in vitro**

Diesel fuel, no. 2 : Test Type: Ames test  
 Result: positive

Test Type: Mouse lymphoma assay  
 Result: negative

Naphthalene : Test Type: Ames test  
 Result: negative

Test Type: Sister Chromatid Exchange Assay  
 Result: negative

Test Type: Unscheduled DNA synthesis assay  
 Result: negative

**Genotoxicity in vivo**

Diesel fuel, no. 2 : Test Type: Dominant lethal assay  
 Species: Mouse  
 Dose: 100 or 400 ppm  
 Result: negative

Naphthalene : Test Type: Mouse micronucleus assay  
 Result: negative

**Carcinogenicity**

Diesel fuel, no. 2 : Species: Mouse  
 Sex: male  
 Dose: 0, 25 ul  
 Exposure time: lifetime  
 Number of exposures: 3 times/wk

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Naphthalene**

Remarks: Moderate dermal carcinogen

Species: Mouse  
 Sex: male  
 Dose: 10, 30 ppm  
 Exposure time: 105 weeks  
 Number of exposures: 6 hours/day, 5 days/week  
 Test substance: yes  
 Print Date: No information available.  
 Remarks: No evidence of carcinogenicity

Species: Mouse  
 Sex: female  
 Dose: 10, 30 ppm  
 Exposure time: 105 weeks  
 Number of exposures: 6 hours/day, 5 days/week  
 Test substance: yes  
 Print Date: No information available.  
 Remarks: increased incidence of alveolar/bronchiolar adenomas

Species: Rat  
 Sex: male and female  
 Dose: 10, 30, 60 ppm  
 Exposure time: 105 weeks  
 Number of exposures: 6 hours/day, 5 days/week  
 Test substance: yes  
 Print Date: No information available.  
 Remarks: nose respiratory epithelial adenoma, increased incidence of olfactory neuroblastomas

**Developmental Toxicity**

Diesel fuel, no. 2

: Species: Rat  
 Application Route: Inhalation  
 Dose: 0, 86.9, 408.8 ppm  
 Number of exposures: 6 h/d  
 Test period: GD 6-15  
 Method: OECD Guideline 414  
 NOAEL Teratogenicity: 408.8 ppm  
 NOAEL Maternal: 408.8 ppm  
 Information given is based on data obtained from similar substances.

Species: Rat  
 Application Route: Dermal  
 Dose: 30, 125, 500, 1000 mg/kg  
 Exposure time: daily  
 Test period: GD 0-20  
 Method: OECD Guideline 414  
 NOAEL Teratogenicity: 125 mg/kg  
 Information given is based on data obtained from similar substances.

**Naphthalene**

Species: Rabbit  
 Application Route: oral gavage  
 Dose: 40, 200, 400 mg/kg  
 Test period: 29 d, GD 6-18  
 NOAEL Teratogenicity: 400 mg/kg

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Diesel No. 2 Test Fuel****Aspiration toxicity** : May be fatal if swallowed and enters airways.**CMR effects**

Diesel fuel, no. 2 : Carcinogenicity: Limited evidence of carcinogenicity in animal studies  
 Teratogenicity: Animal testing did not show any effects on fetal development.

Naphthalene : Carcinogenicity: Limited evidence of carcinogenicity in animal studies

**Diesel No. 2 Test Fuel****Further information** : Solvents may degrease the skin.**SECTION 12: Ecological information****Toxicity to fish**

Diesel fuel, no. 2 : LL50: 21 mg/l  
 Exposure time: 96 h  
 Species: Oncorhynchus mykiss (rainbow trout)  
 semi-static test Method: OECD Test Guideline 203

Naphthalene : LC50: 3.2 mg/l  
 Exposure time: 96 h  
 Species: Pimephales promelas (fathead minnow)

**Toxicity to daphnia and other aquatic invertebrates**

Diesel fuel, no. 2 : EC50: 2 mg/l  
 Exposure time: 48 h  
 Species: Daphnia magna (Water flea)  
 Method: OECD Test Guideline 202

Naphthalene : LC50: 2.16 mg/l  
 Exposure time: 48 h  
 Species: Daphnia magna (Water flea)

**Toxicity to algae**

Diesel fuel, no. 2 : ErL50: 22 mg/l  
 Exposure time: 72 h  
 Species: Raphidocellus subcapitata (algae)  
 static test Analytical monitoring: no  
 Method: OECD Test Guideline 201

Naphthalene : EC50: 2.96 mg/l  
 Exposure time: 48 h  
 Species: Selenastrum capricornutum (algae)

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Biodegradability**

Diesel fuel, no. 2 : aerobic  
 Result: Not readily biodegradable.  
 57.5 %  
 Testing period: 28 d  
 Method: OECD Test Guideline 301F

**Bioaccumulation**

Diesel fuel, no. 2 : Accumulation in aquatic organisms is expected.

**Mobility**

Diesel fuel, no. 2 : No data available

**Results of PBT assessment**

Diesel fuel, no. 2 : Non-classified PBT substance, Non-classified vPvB substance

**Additional ecological information**

: Toxic to aquatic life with long lasting effects.

**Ecotoxicology Assessment**

Short-term (acute) aquatic hazard : Toxic to aquatic life.

Long-term (chronic) aquatic hazard : Toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

**SECTION 14: Transport information**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

UN1202, DIESEL FUEL, 3, III

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

UN1202, DIESEL FUEL, 3, III, (47 °C c.c.), MARINE POLLUTANT, (DIESEL FUEL)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN1202, DIESEL FUEL, 3, III

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

UN1202, DIESEL FUEL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS, (DIESEL FUEL)

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

30,UN1202,DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (DIESEL FUEL)

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

UN1202, DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (DIESEL FUEL)

**Maritime transport in bulk according to IMO instruments**

**SECTION 15: Regulatory information****National legislation**

<b>SARA 311/312 Hazards</b>	: Flammable (gases, aerosols, liquids, or solids) Acute toxicity (any route of exposure) Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard Skin corrosion or irritation
CERCLA Reportable Quantity	: Calculated RQ exceeds reasonably attainable upper limit.  Naphthalene
SARA 302 Reportable Quantity	: This material does not contain any components with a SARA 302 RQ.

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

SARA 302 Threshold Planning Quantity : This material does not contain any components with a section 302 EHS TPQ.  
SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Components : The following components are subject to reporting levels established by SARA Title III, Section 313:  
: Naphthalene - 91-20-3

**Clean Air Act**

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):  
: Naphthalene - 91-20-3

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**US State Regulations****Pennsylvania Right To Know**

: Diesel fuel, no. 2 - 68476-34-6  
Naphthalene - 91-20-3  
Xylenes - 1330-20-7  
Ethylbenzene - 100-41-4  
Toluene - 108-88-3  
Phenanthrene - 85-01-8  
Cumene - 98-82-8  
Fluorene - 86-73-7

**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

California Prop. 65 Components : WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov/food](http://www.P65Warnings.ca.gov/food).

Naphthalene	91-20-3
Ethylbenzene	100-41-4
Phenanthrene	85-01-8
Cumene	98-82-8
Fluorene	86-73-7
Benzene	71-43-2

WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

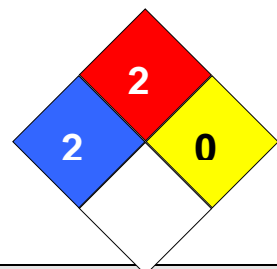
Toluene	108-88-3
Benzene	71-43-2
n-hexane	110-54-3

**Notification status**

Europe REACH	: This product is in full compliance according to REACH regulation 1907/2006/EC.
Switzerland CH INV	: On the inventory, or in compliance with the inventory
United States of America (USA) TSCA	: On or in compliance with the active portion of the TSCA inventory
Canada DSL	: All components of this product are on the Canadian DSL
Australia AIIC	: On the inventory, or in compliance with the inventory
New Zealand NZIoC	: This substance may be used as a single component chemical under an appropriate group standard
Japan ENCS	: On the inventory, or in compliance with the inventory
Korea KECI	: All substances in this product were registered, notified to be registered, or exempted from registration by CPChem through an Only Representative according to K-REACH regulations. Importation of this product is permitted if the Korean Importer of Record was included on CPChem's notifications or if the Importer of Record themselves notified the substances.
Philippines PICCS	: On the inventory, or in compliance with the inventory
Taiwan TCSI	: On the inventory, or in compliance with the inventory
China IECSC	: On the inventory, or in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 2  
Fire Hazard: 2  
Reactivity Hazard: 0





**Diesel No. 2 Test Fuel**

Version 1.14

Revision Date 2024-05-21

**Further information**

Legacy SDS Number : CPC00523

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	ATE	Acute toxicity estimate