


**TrusTec™ Diesel Reference Fuel T-34**

Version 2.1

Revision Date 2022-12-08

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

Product Name : TrusTec™ Diesel Reference Fuel T-34  
 Material : 1024272, 1108916, 1024276, 1024273, 1024274, 1024275,  
 1032194

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

Local : See Company Address

**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

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

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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****GHS Classification and labelling according to JIS Z 7252-2019 and JIS Z 7253-2019 (GHS 2015)****Classification**

: Flammable liquids, Category 3  
 Acute toxicity, Category 4, Inhalation  
 Skin corrosion/irritation, Category 2  
 Carcinogenicity, Category 2  
 Specific target organ toxicity - repeated exposure, Category 2,  
 Liver, Blood, thymus  
 Aspiration hazard, Category 1  
 Short-term (acute) aquatic hazard, Category 2  
 Long-term (chronic) aquatic hazard, Category 2

**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.  
 H411: Toxic to aquatic life with long lasting effects.

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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, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground and 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 skin thoroughly after handling.  
 P273: Avoid release to the environment.  
 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.  
 P308 + P313: IF exposed or concerned: Get medical advice/ attention.  
 P331: Do NOT induce vomiting.  
 P362 + P364: Take off contaminated clothing and wash it before reuse.  
 P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P391: Collect spillage.  
**Storage:**  
 P403 + P235: Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501: Dispose of contents/ container to an approved waste disposal plant.

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

Synonyms : Diesel Reference Fuel T

Molecular formula : Mixture

Chemical name	CAS-No.	Concentration	ENCS/ISHL number
Diesel fuel, no. 2	68476-34-6	100%	(9)-1702
Naphthalene	91-20-3	0 % - 1%	4-311

**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.

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- 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. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**SECTION 5: Firefighting measures**

- Flash point : 77.44°C (171.39°F)  
Method: closed cup
- Autoignition temperature : No data available
- Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.
- Unsuitable extinguishing media : High volume water jet.
- 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.
- 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

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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).

**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.

**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**

JP

Components	Basis	Value	Control parameters	Note
Naphthalene	JP OEL ISHL	ACL	10 ppm,	
n-hexane	JP OEL ISHL	ACL	40 ppm,	
	JP OEL JSOH	OEL-M	40 ppm, 140 mg/m3	S,
Cumene	JP OEL JSOH	OEL-M	10 ppm, 50 mg/m3	S, 2B,
Toluene	JP OEL ISHL	ACL	20 ppm,	
	JP OEL JSOH	OEL-M	50 ppm, 188 mg/m3	1, S,
Ethylbenzene	JP OEL JSOH	OEL-M	50 ppm, 217 mg/m3	2, 2B,
	JP OEL ISHL	ACL	20 ppm,	
Benzene	JP OEL ISHL	ACL	1 ppm,	
	JP OEL JSOH	REF-Carc	1 ppm,	S, 1,
	JP OEL JSOH	REF-Carc	0.1 ppm,	S, 1,

1 Group 1: carcinogenic to humans

2 Group 2: Substances presumed to cause reproductive toxicity in humans

2B Group 2B: possibly carcinogenic to humans

S Skin absorption

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**Biological exposure indices****JP**

Substance name	CAS-No.	Control parameters	Sampling time	Update
Toluene	108-88-3	Toluene: 0.6 mg/l (Blood)	Within 2 h prior to end of shift at end of work week	2011-05-18
		Toluene: 0.06 mg/l (Urine)	Within 2 h prior to end of shift at end of work week	2011-05-18
n-hexane	110-54-3	2,5-Hexanedione - after acid hydrolysis: 3 mg/g Creatinine (Urine)	End of shift at weekend	2011-05-18
		2,5-Hexanedione - after acid hydrolysis: 0.3 mg/g Creatinine (Urine)	End of shift at weekend	2011-05-18
		2,5-Hexanedione - after acid hydrolysis: 3 mg/g Creatinine (Urine)	End of shift at weekend	2018-09-20
		2,5-Hexanedione - without acid hydrolysis: 0.3 mg/g Creatinine (Urine)	End of shift at weekend	2018-09-20

**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

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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 at 20°C (68°F)  
 (101.30 kPa)  
 Color : Pale yellow, Brown  
 Odor : Mild

**Safety data**

Flash point : 77.44°C (171.39°F)  
 Method: closed cup  
 Lower explosion limit : No data available  
 Upper explosion limit : No data available  
 Oxidizing properties : No  
 Autoignition temperature : No data available  
 Thermal decomposition : No data available  
 Molecular formula : Mixture  
 Molecular weight : Not applicable  
 pH : Not applicable  
 Pour point : -7.2°C (19.0°F)  
 Method: ASTM D97  
 Boiling point/boiling range : 198-364°C (388-687°F)  
 Method: ASTM D 86  
 Vapor pressure : 0.10 kPa  
 at 40°C (104°F)  
 Relative density : 0.809  
 at 21 °C (70 °F), ASTM D 1298  
 Density : 0.8092 g/cm3  
 Bulk density : 6.75 L/G  
 Water solubility : negligible

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Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: 3.103 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>	
<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>Thermal decomposition</b>	: No data available
<b>Hazardous decomposition products</b>	: Hydrocarbons Carbon oxides
<b>Other data</b>	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information**

<b>Acute oral toxicity</b>	
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



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**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

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**Skin irritation** : Skin irritation

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

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**Sensitization** : Did not cause sensitization on laboratory animals.

**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

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Naphthalene

Test Type: Mouse lymphoma assay  
Result: negative

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  
Remarks: Moderate dermal carcinogen

Naphthalene : 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

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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

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**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.

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Naphthalene

Carcinogenicity: Limited evidence of carcinogenicity in animal studies

**TrusTec™ Diesel Reference Fuel T-34****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)**Biodegradability**

Diesel fuel, no. 2

: aerobic  
Result: Not readily biodegradable.  
57.5 %  
Testing period: 28 d  
Method: OECD Test Guideline 301F**Bioaccumulation**

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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.
<b>Ecotoxicology Assessment</b>	
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 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, COMBUSTIBLE LIQUID, III

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

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIESEL FUEL), 9, III, (77.44 °C c.c.), MARINE POLLUTANT, (DIESEL FUEL)

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**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DIESEL FUEL), 9, 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****Poisonous and Deleterious Substances Control Law**

: Not applicable

**Industrial Safety and Health Law**

Substances Subject to be : naphthalene( 408 )  
 Notified Names Article 57-2  
 (Enforcement Order Table 9)  
 Enforcement Order of the :  
 Industrial Safety and Health  
 Law - Attached table 1  
 (Dangerous Substances)

Harmful Substances Required : Not applicable

Permission for Manufacture  
 Hazardous Substances : Not applicable  
 Subject to Labeling

Requirements

Ordinance on Prevention of : Not applicable  
 Organic Solvent Poisoning

Ordinance on Prevention of : Not applicable  
 Lead Poisoning

Harmful Substances : Not applicable

Prohibited from Manufacture  
 Ordinance on Prevention of : Not applicable  
 Hazards Due to Specified

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Chemical Substances  
 Ordinance on Prevention of  
 Tetraalkyl Lead Poisoning : Not applicable  
 : Not applicable  
 : Not applicable

Substances Prevented From : Not applicable  
 Impairment of Health Listed

**Chemical Substance Control Law**

Priority Assessment Chemical : naphthalene( 76 )  
 Substance n-hexane( 3 )  
 cumene( 126 )  
 toluene( 46 )  
 ethylbenzene( 50 )  
 Benzene( 45 )

**Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

: Not applicable

**Other regulations**

Fire Service Law : Flammable liquids  
 Type 3 petroleums  
 Hazardous rank III

High Pressure Gas Safety Act : Not applicable

Explosive Control Law : Not applicable

Vessel Safety Law : Miscellaneous dangerous substances and articles (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

Aviation Law : Miscellaneous dangerous substances and articles (Article 194 of The Enforcement Rules of Aviation Law and its Attached Table 1)

**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) : On or in compliance with the active portion of the  
 TSCA 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  
 Japan ENCS : On the inventory, or in compliance with the inventory  
 New Zealand NZIoC : On the inventory, or in compliance with the inventory  
 Korea KECI : All substances in this product were registered, notified

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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****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%
AIRC	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



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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