

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TrusTec™ Diesel Reference Fuel T-36

Material : 1024272, 1108916, 1024276, 1024273, 1024274, 1024275, 1032194

Product code : 000000000000000000 000000000000000000

Other means of identification : Previous Name Diesel Reference Fuel T-30 (until June 2019)
Previous Name Diesel Reference Fuel T-34(until Sept, 2025)
Previous Name Diesel Reference Fuel T-32 (until Nov, 2022)

Recommended use of the chemical and restrictions on use

Recommended use : Reference Fuel

Restrictions on use : None known.

Manufacturer or supplier's details

Address : Chevron Phillips Chemical Company LP
Specialty Chemicals
9500 Lakeside Blvd.
The Woodlands, TX 77381

Address : CHEVRON PHILLIPS CHEMICALS ASIA PTE. LTD.
C/O DONG WOO CORPORATION
#B-2601,JEONGJAIL-RO,
BUNDANG-GU,SEONGNAMI-SI,
GYEONGGI-DO,13557
SOUTH KOREA
Telephone no.: +612-9186-1132

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)


TrusTec™ Diesel Reference Fuel T-36

Version 2.3

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2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

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

Organization that prepared the SDS : Product Safety and Toxicology Group

E-mail address : SDS@CPChem.com

Website : www.CPChem.com

Appointees : 회사명: 리이치 24 시코리아(주).

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Version 2.3

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2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

주소: 서울시 서초구 헌릉로 7,
외국기업창업지원연구센터
(IKP) 908-909호
전화: +82-1067838981

2. HAZARDS IDENTIFICATION**GHS Classification**

Acute toxicity (Inhalation) : Category 4

Skin corrosion/irritation : Category 2

Carcinogenicity : Category 2

Specific target organ toxicity - repeated exposure : Category 2 (Liver, Blood, thymus)

Aspiration hazard : Category 1

Long-term (chronic) aquatic hazard : Category 2

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : 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.

Precautionary Statements : **Prevention:**

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P321 Specific treatment (see supplemental first aid instructions on this label).
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container according to waste-related laws

Other hazards which do not result in classification

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	Common Name	CAS-No.	Concentration (% w/w)
Diesel fuel, no. 2	Fuels, diesel, No 2; Gasoil	68476-34-6	>= 100 - <= 100


TrusTec™ Diesel Reference Fuel T-36

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

	— unspecified	
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None

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.
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.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
If inhaled	:	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
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.
Most important symptoms and effects, both acute and delayed	:	No information available. No information available.
Notes to physician	:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES
Suitable and unsuitable extinguishing media

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.
Specific extinguishing methods	:	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.
Special protective equipment	:	Wear self-contained breathing apparatus for firefighting if nec-

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

for fire-fighters

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
- 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 and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- 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.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : 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.
- Further information on storage stability : No decomposition if stored and applied as directed.

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Diesel fuel, no. 2	68476-34-6	TWA (Inhalable fraction and vapor)	100 mg/m3 (total hydrocarbons)	ACGIH

Other ingredients, which are listed in section 3 but not listed in this section, do not have established occupational exposure limit values.

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. Among the following personal protective equipment, the PPEs which require safety certification need to be certified by KOSHA.

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:
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.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23 Date of first issue: 2010-05-26

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.

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:
Protective suit
Safety shoes

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : Pale yellow, Brown

Odor : Mild

Odor Threshold : No data available

pH : Not applicable

Pour point : -6.7 °C
Method: ASTM D97

Melting point/freezing point : No data available

Boiling point/boiling range : 222 - 366 °C
Method: ASTM D 86

Flash point : 99.9 °C
Method: closed cup

Evaporation rate : No data available

Self-ignition : No data available

Upper explosion limit / Upper flammability limit : No data available

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : 0.1 kPa (40 °C)

Bulk density : 6.75 L/G

Solubility(ies)
Water solubility : negligible

Relative vapor density : No data available

Relative density : 0.8101

Density : 6.76 g/cm³

Partition coefficient: n-octanol/water : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : 3.088 cSt (40 °C)

Oxidizing properties : No

Molecular weight : Not applicable

10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions	: Reactivity: Stable under recommended storage conditions. Chemical stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid	: No data available
Incompatible materials	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous decomposition products	: Hydrocarbons Carbon oxides

11. TOXICOLOGICAL INFORMATION

SDS Number:100000100097

9/21

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Information on likely routes of exposure : No data available

Health hazard information**Acute toxicity**

Harmful if inhaled.

Components:**Diesel fuel, no. 2:**

Acute oral toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 Assessment: Not harmful
Acute inhalation toxicity	: LC50 (Rat, male and female): 4.1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Test substance: yes GLP: yes Assessment: 3 - Harmful
Acute dermal toxicity	: LD50 Dermal (Rabbit, male and female): > 4,300 mg/kg Test substance: yes Assessment: Not harmful

Skin corrosion/irritation

Causes skin irritation.

Product:

Result	: Skin irritation
Remarks	: May cause skin irritation in susceptible persons.

Components:**Diesel fuel, no. 2:**

Species	: Rabbit
Exposure time	: 24 h
Method	: OECD Test Guideline 404
Result	: Irritating to skin.

Serious eye damage/eye irritation

Not applicable

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-00000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Product:

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

Components:**Diesel fuel, no. 2:**

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitization**Respiratory sensitization**

Not applicable

Skin sensitization

Not applicable

Product:

Result : Did not cause sensitization on laboratory animals.

Components:**Diesel fuel, no. 2:**

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Did not cause sensitization on laboratory animals.

Carcinogenicity

Suspected of causing cancer.

Components:**Diesel fuel, no. 2:**

Suspected of causing cancer.

Species : Mouse, male
Application Route : Dermal
Exposure time : lifetime
Dose : 0, 25 ul
Frequency of Treatment : 3 times/wk
Remarks : Moderate dermal carcinogen

Carcinogenicity - Assess- : Limited evidence of carcinogenicity in animal studies

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

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Germ cell mutagenicity

No data available

Components:**Diesel fuel, no. 2:**

No data available

Genotoxicity in vitro	:	Test Type: Ames test Result: positive
		Test Type: Mouse lymphoma assay Result: negative
Genotoxicity in vivo	:	Test Type: Dominant lethal assay Species: Mouse (male) Dose: 100 or 400 ppm Result: negative

Reproductive toxicity

No data available

Components:**Diesel fuel, no. 2:**

No data available

Reproductive toxicity - Assessment	:	Animal testing did not show any effects on fetal development.
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STOT-single exposure

No data available

Product:

Remarks	:	No data available
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STOT-repeated exposure

May cause damage to organs (Liver, Blood, thymus) through prolonged or repeated exposure.

Product:

Remarks	:	No data available
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**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Components:**Diesel fuel, no. 2:**

Target Organs	: Liver, Blood, thymus
Assessment	: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity**Components:****Diesel fuel, no. 2:**

Species	: Rat, Male and female
NOAEL	: 30 mg/kg
Application Route	: Dermal
Exposure time	: 13 wks
Number of exposures	: daily, 5 days/week
Dose	: 0, 30, 125, 500 mg/kg
Method	: OECD Guideline 411
Target Organs	: Thymus, Liver, Bone marrow
Symptoms	: Changes in the blood count, Reduced organ weights, Increased organ weight.
Remarks	: Information given is based on data obtained from similar substances.

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

Aspiration toxicity

May be fatal if swallowed and enters airways.

Product:

May be fatal if swallowed and enters airways.

Components:**Diesel fuel, no. 2:**

May be fatal if swallowed and enters airways.

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Experience with human exposure

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information**Product:**

Remarks : Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:****Ecotoxicology Assessment**

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Components:**Diesel fuel, no. 2:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 21 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErL50 (Raphidocellus subcapitata (algae)): 22 mg/l
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 201
GLP: yes

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

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2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Persistence and degradability**Components:****Diesel fuel, no. 2:**

Biodegradability : aerobic
Result: Not readily biodegradable.
Biodegradation: 57.5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Bioaccumulative potential**Components:****Diesel fuel, no. 2:**

Bioaccumulation : Remarks: Accumulation in aquatic organisms is expected.

Mobility in soil**Components:****Diesel fuel, no. 2:**

Mobility : Remarks: No data available

Other adverse effects**Product:**

Additional ecological information : Toxic to aquatic life with long lasting effects.

Components:**Diesel fuel, no. 2:**Results of PBT and vPvB assessment : Non-classified PBT substance
Non-classified vPvB substance**Endocrine disrupting properties**

No data available

**TrusTec™ Diesel Reference Fuel T-36**

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Revision Date 2026-08-03

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			Date of first issue: 2010-05-26

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : 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.

Disposal precautions

Dispose of contents and container according to wastes control act.

14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
()
Class : 9
Packing group : III
Labels : Class 9 - Miscellaneous Dangerous Goods

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
()
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : no

Maritime transport in bulk according to IMO instruments

III - Less Hazardous Properties

Domestic regulation

Refer to section 15 for specific national regulation.

Special precautions for user

Remarks : UN1202

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

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2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION**National regulatory information****Regulation under the Occupational Safety and Health Act****Harmful Substances Prohibited from Manufacturing**

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Harmful Agents to be kept below Occupational Exposure Limits

Not applicable

Harmful Agents Required to be kept below Permission Levels

Not applicable

Hazardous substances requiring management

Not applicable

Special Management Materials

Not applicable

Controlled Substances Subject to Environment Monitoring

Not applicable

Controlled Substances Subject to Health Examination

Not applicable

Hazardous Substances Subject to Process Safety Management (PSM) Reporting Obligation

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 1)

Not applicable

K-OSHA Hazardous Substances (Occupational Safety and Health Regulations, Table 9)

Not applicable

Regulation under the Chemicals Control Act**Restricted Chemicals**

Not applicable

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Prohibited Chemicals

Not applicable

Toxic Release Inventory

Not applicable

Accident Precaution Chemicals

Not applicable

Chemicals of Acute and Chronic Hazard to Human Health and the Environment**Substances Acutely hazardous to humans**

Not applicable

Substances Chronically hazardous to humans

Not applicable

Substances Hazardous to the environment

Not applicable

Accident Precaution Chemicals

Not applicable

Toxic Release Inventory

Not applicable

Act on Registration and Evaluation of Chemical Substances (K-REACH)**Restricted Chemicals**

Not applicable

Prohibited Chemicals

Not applicable

Substances with Unconfirmed Hazards

Not applicable

Dangerous Substances Safety Management Act

Classification : Group 4, Flammable liquids, Type 3 petroleums, Water insoluble liquid

Hazard rank : Hazardous rank III

Designated Quantity : 2000 liter

Safety Warning : Keep away from fire

Waste Control Act

Industrial general wastes

**TrusTec™ Diesel Reference Fuel T-36**

Version 2.3

Revision Date 2026-08-03

Version	Revision Date:	SDS Number (Internal):	MSDS number: AA00974-0000000616
2.3	2026-08-03	100000100097	Date of last issue: 2025-10-23
			Date of first issue: 2010-05-26

Follow article 13 of the act to dispose the product waste

Other requirements in domestic and other countries**The ingredients of this product are reported in the following inventories:**

EU REACH	: This product is in full compliance according to REACH regulation 1907/2006/EC.
CH INV	: On the inventory, or in compliance with the inventory
TSCA	: On or in compliance with the active portion of the TSCA inventory
DSL	: All components of this product are on the Canadian DSL
AU AIIC	: On the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
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.
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TW TCSI	: On the inventory, or in compliance with the inventory
TECI	: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION**Further information**

Issuing date : 2010-05-26

Revision number and date

Number of Revision : 2.3

Revision Date : 2026-08-03

Other information : None.

SAFETY DATA SHEET

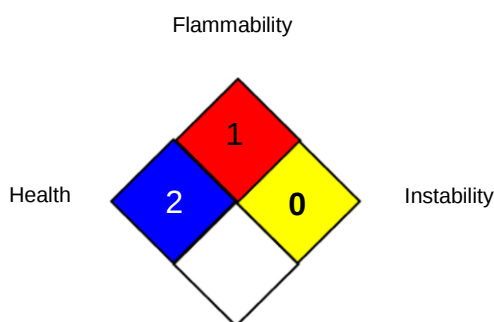
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Date format : yyyy/mm/dd

NFPA:**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MERCOSUR - The Agreement for the Facilitation of the Transport of Dangerous Goods; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand

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Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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.

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