



Tracktek® 111 Racing Fuel (Blue)

Version 1.1

Revision Date 2010-08-18

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Tracktek® 111 Racing Fuel (Blue)
 Material : 1021597, 1021598, 1021599, 1021600, 1021601, 1028685,
 1105591

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

Local : K.R. Copolymer, Co., Ltd
 60% JV with Daelim Industrial Co.
 753-3, Jungheung-dong
 Yuesu City, Hjunnam
 South Korea

MSDS Requests: 852-29784899
 Technical Information: 82-6-1688-7703
 Responsible Party: Product Safety Group
 Email:msds@cpchem.com

Emergency telephone:

Health:

866.442.9628 (North America)

1.832.813.4984 (International)

Transport:

North America: CHEMTREC 800.424.9300 or 703.527.3887

Asia: +800 CHEMCALL (+800 2436 2255) China: 0532.8388.9090

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

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

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

2. HAZARDS IDENTIFICATION

GHS-Classification

: Acute toxicity, Category 3, Inhalation
 Acute toxicity, Category 5, Dermal
 Acute toxicity, Category 3, Oral
 Eye irritation, Category 2A
 Skin irritation, Category 2
 Germ cell mutagenicity, Category 1B
 Reproductive toxicity, Category 1A
 Specific target organ toxicity - single exposure, Category 1,
 Inhalation, Heart

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Specific target organ toxicity - single exposure, Category 3
 Specific target organ toxicity - repeated exposure, Category 1
 Specific target organ toxicity - repeated exposure, Category 2,
 Inhalation, Nervous system, Auditory organs
 Aspiration hazard, Category 1
 Acute aquatic toxicity, Category 1
 Chronic aquatic toxicity, Category 1

GHS-Labeling

Symbol(s)



Signal word

: Danger

Hazard statements

: H301: Toxic if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H313: May be harmful in contact with skin.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H331: Toxic if inhaled.
 H335: May cause respiratory irritation.
 H336: May cause drowsiness or dizziness.
 H340: May cause genetic defects.
 H360: May damage fertility or the unborn child.
 H370: Causes damage to organs.
 H370: Causes damage to organs (Heart) if inhaled.
 H372: Causes damage to organs through prolonged or repeated exposure.
 H373: May cause damage to organs (Nervous system, Auditory organs) through prolonged or repeated exposure if inhaled.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**
 P202 Do not handle until all safety precautions have been read and understood.
 Do not breathe dust/fume/gas/mist/vapor/spray.
 P264 Wash face, hands and any exposed skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
Response:
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P311 Call a POISON CENTER or doctor/physician.
 P331 Do NOT induce vomiting.
 P391 Collect spillage.
Storage:
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Racing Fuel
B32

Molecular formula : Mixture

4. FIRST AID MEASURES

General advice : Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may only appear several hours later. Do not leave the victim unattended.

Inhalation : Call a physician or poison control center immediately. Move to fresh air. If unconscious place in recovery position and seek medical advice.

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

Eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Ingestion : Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

5. FIRE-FIGHTING MEASURES

Flash point : -37 °C (-35 °F)

Autoignition temperature : No data available

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 fire fighting 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.

Fire and explosion protection : Normal measures for preventive fire protection.

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Hazardous decomposition : Hydrocarbons. Carbon oxides.
products

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe 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 : 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**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. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Prevent unauthorized access. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters****Chevron Phillips Chemical Company LP**

Components	Basis	Value	Control parameters	Note
Isoalkanes 7-8	Manufacturer	TWA	300 ppm,	
2,2,4-Trimethylpentane (Isooctane)	Manufacturer	TWA	300 ppm,	
Components	Basis	Value	Control parameters	Note
Toluene		TWA	50 ppm, 188 mg/m ³	
		STEL	150 ppm, 560 mg/m ³	
n-Butane		TWA	800 ppm, 1.900 mg/m ³	
Tetraethyl Lead		TWA	0,075 mg/m ³	Skin,
2,3-Dimethylbutane		TWA	500 ppm, 1.800 mg/m ³	
		STEL	1.000 ppm, 3.600 mg/m ³	
2-Methylpentane		TWA	500 ppm, 1.800 mg/m ³	

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		STEL	1.000 ppm, 3.600 mg/m3
3-Methylpentane		TWA	500 ppm, 1.800 mg/m3
		STEL	1.000 ppm, 3.600 mg/m3

Skin Substances designated by "Skin, S" may be absorbed into the bloodstream through the skin, mucous membrane and eye and contribute to the overall effect. (Skin notation does not apply to the skin irritant)

Personal protective equipment

- Respiratory protection : In the case of vapor formation use a respirator with an approved filter.
- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

- Form : Liquid
- Color : Various
- Odor : see user defined free text

Safety data

- Flash point : -37 °C (-35 °F)
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Oxidizing properties : No
- Autoignition temperature : No data available
- Molecular formula : Mixture
- Molecular Weight : No data available
- pH : Not applicable
- Pour point : No data available
- : 29 - 149 °C (84 - 300 °F)

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Vapor pressure	: 5,30 - 6,70 PSI at 38 °C (100 °F)
Water solubility	: Negligible
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Relative vapor density	: 3 (Air = 1.0)
Evaporation rate	: No data available
Percent volatile	: No data available

10. STABILITY AND REACTIVITY

Conditions to avoid	: See section 7.
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Other data	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Product	
Acute oral toxicity	: LD50: 183 mg/kg Species: rat
Product	
Acute inhalation toxicity	: LC50: 4,7 mg/l Exposure time: 4 HR Species: rat
Product	
Acute dermal toxicity	: LD50: 4.815 mg/kg Species: rabbit
Product	
Skin irritation	: Irritating to skin. : May cause skin irritation in susceptible persons.
Product	
Eye irritation	: May cause irreversible eye damage.
Sensitization	

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Naphtha, Petroleum, Light : Did not cause sensitization on laboratory animals.
Alkylate
Toluene : Did not cause sensitization on laboratory animals.

Repeated dose toxicity

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- Naphtha, Petroleum, Light Alkylate : Species: rabbit
 Application Route: Dermal
 Dose: 0, 200, 1000, 2000 mg/kg
 Exposure time: 4 wk
 Number of exposures: 3 times/wk
 NOEL: 1.000 mg/kg
 Lowest observable effect level: 2.000 mg/kg
- : Species: rat
 Application Route: Inhalation
 Dose: 0, 668, 2220, 6646 ppm
 Exposure time: 12 wk
 Number of exposures: 5 d/wk
 NOEL: 6,646 ppm
- Isoalkanes 7-8 : Species: rat
 Application Route: Inhalation
 Dose: 0, 385, 1180 ppm
 Exposure time: 12 wk
 Number of exposures: 6 hr/d, 5 d/wk
 NOEL: > 1180 ppm
- Toluene : Species: rat
 Application Route: Inhalation
 Dose: 0, 100, 625, 1250, 3000 ppm
 Exposure time: 15 wk
 Number of exposures: 6.5 h/d, 5 d/wk
 NOEL: 625 ppm
- : Species: mouse
 Application Route: Inhalation
 Dose: 0, 100, 625, 1250, 3000 ppm
 Exposure time: 14 wk
 Number of exposures: 6.5 h/d, 5 d/wk
 NOEL: 100 ppm
- Isopentane : Species: rat
 Application Route: Inhalation
 Dose: 1, 1000, 4500 ppm
 Exposure time: 13 wk
 Number of exposures: 6 h/d, 5 d/wk
 NOEL: 2250 ppm
- n-Butane : Species: rat
 Application Route: Inhalation
 Dose: 0, 1017, 4489 ppm
 Exposure time: 90 day
 Number of exposures: 6 h/d, 5 d/wk
 NOEL: 4489 ppm
 Test substance: see user defined free text
- 2,2,4-Trimethylpentane (Isooctane) : Species: rat
 Application Route: oral gavage
 Dose: 0, 50, 100, 200, 500 mg/kg
 Exposure time: 21 day
 Number of exposures: daily

Carcinogenicity

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Naphtha, Petroleum, Light Alkylate : Species: mouse
 Dose: 50 uL
 Exposure time: 2 yrs
 Number of exposures: twice/wk
 Remarks: no increase incidence of tumors

Toluene : Species: rat
 Dose: 0, 600, 1200 ppm
 Exposure time: 2 yrs
 Number of exposures: 6.5 h/d, 5 d/wk
 Remarks: no evidence of carcinogenicity

: Species: mouse
 Dose: 0, 600, 1200 ppm
 Exposure time: 2 yrs
 Number of exposures: 6.5 h/d, 5 d/wk
 Remarks: no evidence of carcinogenicity

Reproductive toxicity

Naphtha, Petroleum, Light Alkylate : Species: rat
 Application Route: Inhalation
 Dose: 0, 5.1, 12.5, 24.7 mg/L
 Number of exposures: 6 h/d, 7 d/wk
 Test period: 7 wks

: Species: rat
 Application Route: Inhalation
 Dose: 0, 5.1, 12.5, 24.7 mg/L
 Number of exposures: 6 h/d, 7 d/wk
 Test period: 8 wks

Toluene : Species: rat
 Application Route: Inhalation
 Dose: 0, 100, 500, 2000 ppm
 Test period: 95 d

Teratogenicity

Toluene : Species: rat
 Application Route: Inhalation
 Dose: 0, 100, 500, 2000 ppm
 Test period: 95 d

Tetraethyl Lead : Species: rat
 Application Route: oral gavage
 Dose: 0, 0.01, 0.1, 1, 10 mg/kg
 Test period: GD 6-16

Product

Aspiration toxicity : May be fatal if swallowed and enters airways.
 Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

Product

Further information : Concentrations substantially above the TLV value may cause

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narcotic effects. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish : LC50: 1,66 mg/l
Exposure time: 96 HR
Species: Salmo gairdneri (Rainbow trout)

Toxicity to daphnia and other aquatic invertebrates. : EC50: 0,52 mg/l
Exposure time: 48 HR
Species: Daphnia magna (Water flea)

Toxicity to algae : EC50: 1,98 mg/l
Exposure time: 72 HR
Species: Selenastrum capricornutum (algae)

Elimination information (persistence and degradability)**Bioaccumulation**

Isopentane : Accumulation in aquatic organisms is unlikely.

Biodegradability : Expected to be biodegradable

Further information on ecology

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

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.

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

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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 MSDS and the bill of lading.

USDOT

UN1203, GASOLINE, 3, II

IMO / IMDG

UN1203, GASOLINE, 3, II, (-37 °C)

IATA

UN1203, GASOLINE, 3, II

ADR

UN1203, MOTOR SPIRIT, 3, II

RID

UN1203, GASOLINE, 3, II

15. REGULATORY INFORMATION**National legislation****Industrial Safety and Health Act**

A Material Safety Datasheet (MSDS) has to be prepared and provided for this product according to article 41 of ISHA.

Regulation	Chemical Name	Threshold limits
Harmful Substances Prohibited from Manufacturing	: Not relevant	
Korea. Harmful Substances Requiring Permission	: Not relevant	

Toxic Chemicals Control Law

Regulation	Chemical Name	Threshold limits
Toxic chemicals, TCCL Article 19	: Not relevant	
Banned Toxic Chemicals TCCL Article 32 & 33	: Not relevant	
Observational chemicals, TCCL Article 31	: Not relevant	
Restricted toxic chemicals TCCL Article 32 & 33	: Not relevant	
Toxic Release Inventory Chemicals	: <01GESTVCOMPC(M:ZISI107_SYM_TS_RESOLVE)>	> 1 % > 0,1 % > 0,1 %

Dangerous Substances Safety Management Act:

Dangerous Substances : Flammable liquids, Type 1 petroleums, Water insoluble liquid
Safety Management Act:

Notification status

Europe REACH : On the inventory, or in compliance with the inventory

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United States of America TSCA	: On the inventory, or in compliance with the inventory
Canada NDSL	: On the inventory, or in compliance with the inventory
Australia AICS	: On the inventory, or in compliance with the inventory
New Zealand NZIoC	: Not in compliance with the inventory
Japan ENCS	: Not in compliance with the inventory
Korea KECI	: On the inventory, or in compliance with the inventory
Philippines PICCS	: Not in compliance with the inventory
China IECSC	: Not in compliance with the inventory

16. OTHER INFORMATION**Further information**

Legacy MSDS Number : 27760

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

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.