



## 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 : Chevron Phillips Chemicals (Shanghai) Corporation  
 2299 West Yan an Road, Shanghai

MSDS Requests: 852-29784899  
 Technical Information: 86-21-62362199  
 Responsible Party: Product Safety Group  
 Email:msds@cpchem.com

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 ConocoPhillips China Inc.  
 Shekou  
 Shenzhen, 518067  
 China

MSDS Requests: 852-29784899  
 Technical Information: 86-755-26812393  
 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

MSDS Number:100000068105

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: 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  
 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.

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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.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**Synonyms : Racing Fuel  
B32

Molecular formula : Mixture

Chemical Name	CAS-No. / EINECS-No.	Concentration[%]
Naphtha, Petroleum, Light Alkylate	64741-66-8	30 - 60
Isoalkanes 7-8	70024-92-9	30 - 60
3,3-Dimethylpentane	562-49-2	30 - 60
Toluene	108-88-3	30 - 60
Isopentane	78-78-4	10 - 30
n-Butane	106-97-8	10 - 30
2,2,4-Trimethylpentane (Isooctane)	540-84-1	5 - 10
2,3-Dimethylpentane	565-59-3	1 - 5
2,4-Dimethylpentane	108-08-7	1 - 5
2,3,4-Trimethylpentane	565-75-3	1 - 5
2,3,3-Trimethylpentane	560-21-4	1 - 5
Tetraethyl Lead	78-00-2	0,1 - 1

**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)

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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.
Hazardous decomposition products	:	Hydrocarbons. Carbon oxides.

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

Requirements for storage	:	Prevent unauthorized access. Keep container tightly closed in
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areas and containers

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	CN OEL	PC-TWA	50 mg/m3	Skin,
	CN OEL	PC-STEL	100 mg/m3	Skin,
Isopentane	CN OEL	PC-TWA	500 mg/m3	
	CN OEL	PC-STEL	1.000 mg/m3	
Tetraethyl Lead	CN OEL	PC-TWA	0,02 mg/m3	Skin,

Skin Skin

**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

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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)
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**

<b>Product</b>	
Acute oral toxicity	: LD50: 183 mg/kg Species: rat
<b>Product</b>	
Acute inhalation toxicity	: LC50: 4,7 mg/l Exposure time: 4 HR Species: rat

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**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**

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**

Classification and Labeling of Commonly Used Dangerous Chemical Substances : Primary label: Combustible Liquid.

**Notification status**

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

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