



## Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System  
Date of Revision: 06/15/2019 Revision: 02

### Section 1 - Chemical Product and Company Identification

1.1 Product Name: **X85**

1.2 Synonym: Blend

1.3 VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744

1.4 Recommended Use: Racing Fuel

1.5 **RESTRICTIONS on USE THIS FUEL IS FOR RACING VEHICLE NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE.**

1.6 Emergency Response Number: **CHEMTREC 800-424-9300**

International Emergency Telephone Number: **+1-703-527-3887**

1.7 See Section 16.3 for CHEMTREC in Country Emergency Numbers

### Section 2 - Hazards Identification

#### 2.1 GHS HAZARD

##### Hazard Classes

##### Hazard Categories

Highly Flammable liquid/vapor

Category 2

Specific Target Organs toxicity single exposure

Category 3

Eye Irritation

Category 2A

Skin Irritation

Category 2

Mutagenicity

Category 1B

Carcinogen

Category 1B

Aspiration Hazard

Category 1

Toxic to Aquatic Life Long Lasting Effects

Category 2

2.2 Signal Word: **Danger**

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System



Flame Health Hazard Irritant Aquatic Hazard

## 2.3 Pictograms:

## 2.4 Hazard Statements

### PHYSICAL HAZARDS:

H225: Highly flammable liquid and vapor.

### HEALTH HAZARD

H304: May be fatal if swallowed and enter the airway.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H340: May cause genetic defects.

H350: May cause cancer.

H336: May cause drowsiness or dizziness.

H372: Causes damage to organs through prolonged or repeated exposure.

### ENVIRONMENTAL HAZARDS:

H411: Toxic to aquatic life with long lasting effects.

### PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

**READ SDS BEFORE USE.**

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from sparks and open flames- No smoking.

P240: Ground or bond container and receiving equipment.

P241: Use explosion-proof equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260: Do not breathe vapors.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in well ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves, clothing and eye protection.

### RESPONSE STATEMENTS:

P301 +P310+ P331: IF SWALLOWED: USA Immediately call the National POISON CENTER at **800-222-1222**. OUTSIDE USA Immediately

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

call poison center or doctor. DO NOT induce vomiting.

**P303+P361+P353:** IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water.

**P304+P340:** IF INHALED. Remove to fresh air and keep comfortable for breathing.

**P305+P351:** IF IN EYES rinse cautiously with water for at least 15 minutes.

**P308+P313:** If exposed or concerned get medical attention.

**P362+P364:** IF ON CLOTHING, take off contaminated clothing and wash it before reuse

**P313+P332+P337:** If skin or eye irritation.

persists get medical attention

**H314:** Get medical attention if you feel unwell.

**P370:** In case of fire use foam, carbon dioxide, dry chemical to extinguish fire.

## STORAGE STATEMENTS:

**P403+P235:** Store in a well-ventilated place. Keep cool.

**P405:** Store locked up.

## DISPOSAL STATEMENTS:

**P501:** Dispose of content and/or container in accordance with local, regional, national, or international regulations.

**2.5 Hazards not otherwise classified (HNOC) or not covered by GHS:** Repeated exposure may cause skin dryness or cracking

## Section 3 - Composition / Information on Ingredients

### 3.1

CAS#	EC#	Chemical Names	Percent	Classification
N/A	N/A	Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	10-30 %	None
64-17-5	200-578-6	1-Hydroxyethane	70-90 %	Flam. Liq. 2 H225, Eye Irrit. 2 H319

### 3.2 Blend Contains

Chemical Names	CAS#	EC#	
Complex hydrocarbon mixture	64741-64-6	265-066-7	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central Nervous Sys. Inhalation H336, Muta. 1B H340, Carc. 1B H350, Aquatic Chronic 2 H411

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

**3.3 Trade Secret Provision and Chemical Concentration Disclosure:** In accordance with OSHA and GHS Regulations we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a blend and are applicable to the hazards as identified in this Safety Data Sheet.

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**4.3 Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema and even death.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

**4.5 After first aid, get appropriate paramedic, or community medical support.** The severity of outcome following an exposure may be more related to the time between the exposure and treatment, rather than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

**4.6 Note to Physicians:** If you determine that a medical emergency exists, and the specific chemical identity is necessary for emergency or first-aid treatment we will immediately disclose the specific chemical identity. Call CHEMTREC 800-424-9300 or 703-527-3887. We will require a written statement of need and confidentiality agreement, in accordance with OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will upon written request disclose a specific chemical identity.

## Section 5 - Fire-Fighting Measures

**5.1 General Fire Hazards:** Use water to cool containers exposed to fire.

**5.2 Hazardous Combustion Products:** Avoid fumes of burning product.

**5.3 Extinguishing Media:** Carbon dioxide, dry chemical, foam .

**5.4 Fire Fighting Equipment/Instructions** Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

## Section 6 - Accidental Release Measures

**6.1 Spill /Leak Procedures:** Ventilate area highly flammable. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

**6.2 Spills:** Avoid direct contact with material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

## Section 7 - Handling and Storage

**7.1 Handling Precautions:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin or clothing. Keep container tightly closed. Avoid inhalation.

**7.2 Storage Requirements:** Store in a tightly closed container in a cool, dry, and well-ventilated area.

## Section 8 - Exposure Controls / Personal Protection

### 8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	300 ppm TWA	300 ppm TWA
1-Hydroxyethane	1000 ppm TWA	1000 ppm TWA

### 8.2

**ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**

**OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.**

**NOTE: TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

**8.3 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation are preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

### 8.5 Personal protective equipment

#### 8.5.1 Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 8.5.2 Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/SEA 105-2011** or European EN374 Standard.

Full contact: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

## 8.5.3 Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## 8.5.4 Skin and body protection

Impervious clothing flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## 8.6 Protective Clothing Pictograms



## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Aromatic Hydrocarbon Odor

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** Not Available

**Specific Gravity (H<sub>2</sub>O=1):** Not Available

**Relative Density:** Not Available

**Odor Threshold:** Not Available

**Flammability (solid, gas):** Not applicable.

**Evaporation rate:** Not Available

**Partition coefficient octanol/water:** Not Available

**Water Solubility:** Insoluble

**Melting point/freezing point:** Not Available

**Flash Point:** -40°F (-40°C) close cup

**Boiling Point / Range:** 97.7 – 402.1°F  
(36.5 – 205.6°C)

**Lower Explosive Limits (vol % in air):** 1%

**Upper Explosive Limits (vol % in air):** 19%

**Viscosity:** Viscosity: <20.5mm<sup>2</sup>/s 104°F,40°C

**Auto ignition Temperature:** Not Available

**Decomposition temperature:** Not Available

**pH:** None

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3 Chemical Incompatibilities:** Strong oxidizing agents.

**10.4 Hazardous Decomposition Products:** Combustion produces carbon monoxide and carbon dioxide .

**10.5 Conditions to Avoid:** Avoid heat, sparks open flames and other ignition sources.

## Section 11- Toxicological Information

11.1 Product Name	Results	Species	Dose	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	Oral LD50	Rat	>2000 mg/kg	None Listed
1-Hydroxyethane	Oral LD50	Rat	7060 mg/kg	4 hours

# X85

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System

**11.11.1 OECD Guideline Test results** found in the European Chemical Agency Data Base shows that no components of this product to cause Oral Toxicity.

**11.2 Route of Entry:** Inhalation, Ingestion, Absorption, Skin and/or Eye Contact.

**11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways.

**11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency Data Base show components of this product to cause genetic defects

**11.5 Skin Corrosion/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

**11.7 Reproductive toxicity:** OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product to cause damage to fertility or the unborn child.

**11.8 Skin Sensitization** OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product to cause skin sensitivity.

**11.9 Respiratory Sensitization** OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product to cause respiratory sensitivity.

**11.10 Specific Target Organ Toxicity (Single Exposure):** European Chemical Agency Data Base shows that components of this product may cause damage to the central nervous system (CNS).

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** OECD Guideline Tests results found in the European Chemical Agency Data Base show no components of this product organ toxicity due to a repeat exposure. However, it may contain chemicals which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

**11.12 Signs and Symptoms:** Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed

**11.13 Carcinogenicity:** OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	Possibly carcinogenic to humans	Known carcinogenic to humans	Not listed	Not listed
1-Hydroxyethane		Confirmed animal with unknown relevance to humans	Not listed	Not listed

# X85

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## Section 12 - Ecological Information

### 12.1

Product Name	Results	Species	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		
1-Hydroxyethane	LC50 8,140 mg/l	Fish	96 hours
1-Hydroxyethane	LC50 14,221 mg/l	Daphnia	48 hours

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency Data Base show components of this product to cause long-term toxicity to aquatic life.

**12.2 Mobility:** Floats on water.

**12.3 Persistence/degradability:** Inconclusive technical data.

**12.4 Bioaccumulation:** Inconclusive technical data.

**12.5 Other adverse effects:** Inconclusive technical data.

## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** Container should be completely emptied prior to discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

## Section 14 - Transport Information

### 14.1 US Transport Information



**ID No.:** UN 3475

**Shipping Name:** Ethanol and petrol mixture with more than 10% ethanol

**Hazard Class:** 3

**Packing Group:** II

**Label:** Flammable

**Placard :** Flammable

**Marine Pollutant :** Complex hydrocarbon mixture

**Marking:** Marine Pollutant when shipping ground greater than 119 gallons single container or any quantity by water



# X85

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## 14.2 IMDG Transport Information



**ID No.:** UN 3475

**Shipping Name:** ETHANOL AND PETROL MIXTURE with more than 10% ethanol

**Hazard Class:** 3

**Packing Group:** II

**Flash Point:** (-40C c.c.)

**EmS Number:** F-E, S-E

**Label:** Flammable

**Marking:** Marine Pollutant, Complex hydrocarbon mixture

**Placard:** Flammable

## 14.3 UN Dangerous Goods Transport Information



**ID No.:** UN 3475

**Shipping Name:** Ethanol and petrol mixture with more than 10% ethanol

**Hazard Class:** 3

**Packing Group:** II

**Label:** Flammable

**Marking:** Marine Pollutant Complex hydrocarbon mixture

## Section 15 - Regulatory Information

### 15.1 US Regulations

**US. Toxic Substances Control Act:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**Toxic Release Inventory (TRI):** This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
110-54-3	n-Hexane	At demines% limits
100-41-4	Ethylbenzene	At demines% limits

This information must be included in all SDSs that are copied and distributed for this material.

**CERCLA Hazardous Substances and corresponding RQs:** None

**SARA Community Right-to-Know Program:** All components of this blend.

**Clean Water Act:** None

# X85

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Clean Air Act: None

OSHA: All ingredients are regulated by 29 CFR1910.1200

## State Regulations

California prop. 65



**WARNING** Cancer, Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements

**New Jersey** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements

**Pennsylvania:** All components of this product) are on the Pennsylvania Inventory or are exempt from Inventory requirements.

### 15.2 International Regulations:

**Australian Inventory of Chemical Substance:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**National Existing Chemical Inventory in Taiwan:** All components of this product are on the Inventory or are exempt from Inventory requirements.

**Philippine Inventory of Chemicals and Chemical Substances** All components of this product are on the Inventory or are exempt from Inventory requirements.

**China Existing Chemical Inventory:** All components of this product are on the Inventory or are exempt from Inventory requirements.

## Section 16 - Other Information

**16.1 Disclaimer:** The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their purpose and on the condition that they assume the risk of their use.

**16.2 References:** CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

# X85

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## 16.3 CHEMTREC in country emergency dial numbers:

<b>CHEMTREC</b> In-Country Dial Numbers	Local # Provided in Country	Toll Free in Country*	Greeting Language
<b>AMERICAS</b>			
CHEMTREC Argentina (Buenos Aires)	+(54)-1159839431		Latin American Spanish
CHEMTREC Brazil (Rio De Janeiro)	+(55)-2139581449		Portuguese
CHEMTREC Cayman Islands	+(1)-345-749-8392		English
CHEMTREC Chile (Santiago)	+(56)-225814934		Latin American Spanish
CHEMTREC Colombia *		01800-710-2151	Latin American Spanish
CHEMTREC Costa Rica*	+(506)-40003869		Latin American Spanish
CHEMTREC Mexico*		01-800-681-9531	Latin American Spanish
CHEMTREC Panama	+(507)-8322475		Latin American Spanish
CHEMTREC Peru (Lima)	+(51)-17071295		Latin American Spanish
CHEMTREC Trinidad and Tobago*	+(1)-868-224-5716		English
<b>MIDDLE EAST</b>			
CHEMTREC Bahrain (Bahrain)	+(973)-16199372		Arabic
CHEMTREC Israel (Tel Aviv)	+(972)-37630639		Hebrew
CHEMTREC Saudi Arabia*	+(966)-8111095861		Arabic and English
CHEMTREC Kuwait National	+965-22274681		Arabic and English
<b>SUB SAHARAN AFRICA</b>			
CHEMTREC South Africa*		0-800-983-611	English
<b>EAST ASIA</b>			
CHEMTREC Hong Kong (Hong Kong)*		800-968-793	Cantonese
CHEMTREC Japan (Tokyo)	+(81)-345209637		Japanese
CHEMTREC South Korea*		00-308-13-2549	Korean
CHEMTREC South Korea	+(82) 070-7686-0086		Korean
CHEMTREC Taiwan*		00801-14-8954	Mandarin
<b>SOUTHEAST ASIA</b>			
CHEMTREC Indonesia*		001-803-017-9114	Indonesian
CHEMTREC Malaysia *		1-800-815-308	Malay
CHEMTREC Malaysia (Kuala Lumpur)	+(60)-327884561		Malay
CHEMTREC Philippines *		1-800-1-116-1020	Tagalog
CHEMTREC Philippines (Manila)	+(63) 2-395-3308		Tagalog
CHEMTREC Singapore*		800-101-2201	English and Mandarin
CHEMTREC Singapore	+(65)-31581349		English and Mandarin
CHEMTREC Thailand *		001-800-13-203-9987	Thai
CHEMTREC Vietnam (Hanoi)*	+(84)-444581938		Vietnamese
<b>SOUTH ASIA</b>			
CHEMTREC Bangladesh††	N/A	N/A	Bengali
CHEMTREC India *		000-800-100-7141	Hindi
<b>AUSTRALIA &amp; OCEANIA</b>			
CHEMTREC Australia (Sydney)	+(61)-290372994		English
CHEMTREC New Zealand (Auckland)*	+(64)-98010034		English
*Phone numbers for countries marked with an asterisk must be dialed within the country			
*Phone numbers for countries marked with an asterisk must be dialed within the country.			
†† Phone numbers marked with a double dagger have a DID and greeting ONLY supplied by CHEMTREC			

## 16.4 SDS Preparation Date 02/02/2016

SDS Previous Issue Date: None

SDS Revision Date: 11/21/2017 Section s revised 1,2,3,8,11,12,16

SDS Revision Date: 06/15/2019 Section s revised 2,8,11,14,15

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