



Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Revision Date 06/04/2021 Revision 03

Section 1 - Chemical Product and Company Identification

1.1 Product Name: **C85**

1.2 Synonym: Blend

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

1.4 Recommended Use: Racing Fuels

1.5 **RESTRICTIONS on USE THIS FUEL IS FOR RACING VEHICLE USE ONLY!**

NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE

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

International Emergency Telephone Number: 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

Highly Flammable liquid/vapor
Specific Target Organs toxicity single exposure
Eye Irritation
Skin Irritation
Aspiration Hazard
Harmful to Aquatic Life Long lasting effects

Hazard Categories

Category 2
Category 3
Category 2A
Category 2
Category 1
Category 3

2.2 Signal Word: **Danger**

2.3 Pictograms:



Flame

Health Hazard

Irritant

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2.4 Hazard Statements

PHYSICAL HAZARDS:

H225: Highly flammable liquid and vapor.

HEALTH HAZARDS:

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

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

ENVIRONMENTAL HAZARDS:

H412: Harmful to Aquatic Life 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 and mist.

P264: Wash hands thoroughly after handling.

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

P271: Use only outdoors or in a 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 call a 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.

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

P313+P332+P337: If skin or eye irritation persists, get medical attention.

H314: Get medical attention if you feel unwell

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

P370+P378: In case of fire, use foam, carbon dioxide, dry chemical to extinguish the fire.

STORAGE STATEMENTS:

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

P405: Store locked up.

DISPOSAL STATEMENTS:

P501: Dispose of content and container per 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
64-17-5	200-578-6	1-Hydroxyethane	77-78%	Flam. Liq. 2 H225, Eye Irrit. 2 H319
637-92-3	211-309-7	-Methoxy-2-methylpropane	15-20%	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336
75-52-5	203-714-5	Nitrocarbol	1 -4%	Flam Liq. 3 H226, Acute Tox. H302
78-78-4	201-142-8	2-Methylbutane	1-4%	Flam. Liq. 1 H224, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Eye Irrit 2, H319, STOT SE 3 Central nervous Sys Inhalation H336, Aquatic Chronic 2 H411

3.3 Trade Secret Provision and Chemical Concentration Disclosure: Following OSHA and GHS Regulations, we have withheld specific chemical percentages in this mixture. The chemical concentrations have been disclosed as a blend and applicable to the hazards 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.

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4.2 Skin: Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and 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 the outcome following ingestion may be more related to the time between ingestion and treatment than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion 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 according to 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 products.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam

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

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ventilate area highly flammable. Spillages of the 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 the material. Stop leak if without risk. Move containers from the 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 it in a container for disposal.

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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 the 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
1-Hydroxyethane	1000 ppm TWA	1000 ppm TWA
2-Methoxy-2-methylpropane	25 ppm TWA	25 ppm TWA
Nitrocarbol	200ppm TWA	200ppmTWA
2-Methylbutane	600 ppm TWA	600 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 workweek 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 is 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 them before reuse.
Remove this material from your shoes and clean personal protective equipment.

8.5 Personal protective equipment

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

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

Personal protective equipment:

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).

Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Full contact: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

Eye protection

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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).

Skin and body protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, and 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



Splash Goggles

Gloves

Protective Apron

Vapor Respirator

Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Yellow

Odor: Aromatic Hydrocarbon Odor

Vapor Pressure: Not Available

Vapor Density (Air=1): >1

Specific Gravity (H₂O=1,): 0.79

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: 58°F (13.9°C)

Boiling Point / Range: 172 – 176°F (77.7 – 80°C)

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

Upper Explosive Limits (vol % in air): 8%

Viscosity: <20.5 mm²/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

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 5000 mg/kg

ATE (Dermal): 12500 mg/kg

ATE (Inhalation): 97 mg/l

11.1.1 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Oral Toxicity.

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11.1.2 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Inhalation Toxicity.

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

11.3 Aspiration Hazard: European Chemical Agency Database 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 Database show no components of this product to cause genetic defects.

11.5 Skin Corrosion/Irritation: The OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause skin irritation. Repeated exposure may cause skin dryness or cracking.

11.6 Serious Eye Damage/Irritation: The OECD Guideline Test results found in the European Chemical Agency Database show that this product's components

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

11.8 Skin Sensitization OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause respiratory sensitivity.

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

11.11 Specific Target Organ Toxicity (Repeated Exposure): European Chemical Agency Database shows that no components of this product may cause damage to organs due to repeat exposure. However, it may contain chemicals that 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.

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11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Database shows that no components of this product cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
1-Hydroxyethane		Confirmed animal with unknown relevance to humans	Not listed	None Listed
2-Methoxy-2-methylpropane	None Listed	None Listed	None listed	None Listed
Nitrocarbol	Agent indicates the substance is possibly carcinogenic to humans	Confirmed animal with unknown relevance to humans.	The substance is reasonably anticipated to be a human carcinogen	None Listed
2-Methylbutane	Not classifiable as a human carcinogen	Not classifiable as a human carcinogen	Not listed	None Listed

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
1-Hydroxyethane	LC50 8,140 mg/l	Fish	96 hours
2-Methoxy-2-methylpropane	LC50 100 mg/l	Fish	96 hours
Nitrocarbol	LC50 460 mg/l	Fish	96 hours
2-Methylbutane	LC50 13 mg/l	Fish	96 hours

Toxicity: OECD Guideline Test results found in the European Chemical Agency Database show components of this product to be long-term harmful 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! The container should be completely emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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Section 14 - Transport Information

14.1 DOT Transport Information



ID No.: UN 1993

Shipping Name: Flammable liquids, n.o.s. (1-Hydroxyethane, 2-Methoxy-2-methylpropane)

Hazard Class: 3

Packing Group: II

Label: Flammable

Placard: Flammable

14.2 IMDG Transport Information



ID No.: UN 1993

Shipping Name: FLAMMABLE LIQUIDS, N.O.S. (1-Hydroxyethane, 2-Methoxy-2-methylpropane)

Hazard Class: 3

Packing Group: II

Flash Point: 13.9° C c.c.)

EmS Number: F-E, S-E

Label: Flammable

Placard: Flammable

14.3 UN Dangerous Goods Transport Information



ID No.: UN 1993

Shipping Name: Flammable liquids, n.o.s. (1-Hydroxyethane, 2-Methoxy-2-methylpropane)

Hazard Class: 3

Packing Group: II

Label: Flammable

Placard: Flammable

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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
75-52-5	Nitrocarbol	4%

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

CERCLA Hazardous Substances and corresponding RQs: 1-Hydroxyethane 1000 lbs.

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

Clean Water Act: None

Clean Air Act: 2-Methylbutane

OSHA: All ingredients are regulated by 29 CFR 1910.1200

State Regulations

California prop. 65



WARNING This product can expose you to the chemical Nitrocarbol CAS # 75-52-5, known to the State of California to cause cancer. For more information, go to 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 Substances: 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 Inventory or are exempt from Inventory requirements.

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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 any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall decide the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMpendium Database of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Database and MSDS and SDS of chemicals in this mixture. 5

16.3 CHEMTREC in-country emergency dial numbers:

County	Greeting Language	City	Local number	Toll-Free number
Argentina	Latin American Spanish	Buenos Aires	54-1159839431	
Brazil	Portuguese	Rio De Janeiro	55-2139581449	
Brazil	Portuguese	Sao Paulo	55-1143491359	
Brazil - Toll-Free	Portuguese		0800 892 0479	0800 892 0479
Cayman Islands	English	Local (National)	345-749-8392	
Chile	Latin American Spanish	Santiago	56 2 2581 4934	
Colombia	Latin American Spanish		01800-710-2151	01800-710-2151
Costa Rica	Latin American Spanish		506-40003869	
Dominican Republic	Latin American Spanish	Santo Domingo	1 (829) 956-7588	
El Salvador	Latin American Spanish	San Salvador	503 2136 7633	
Grenada	English	St George	1 (473) 230-0165	
Guinea	French		224 660 71 03 00	
Mexico	Latin American Spanish		01-800-681-9531	01-800-681-9531
Panama	Latin American Spanish		507-8322475	
Peru	Latin American Spanish	Lima	51-17071295	
Trinidad and	English	National Number	1-868-224-5716	

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Tobago				
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India	Hindi, Bengali, English		000-800-100-7141	000-800-100-7141
Indonesia	Indonesian		001-803-017-9114	001-803-017-9114
Israel	Hebrew	Tel Aviv	972-37630639	
Japan	Japanese	Tokyo	81-345209637	
Malaysia	Malay	Kuala Lumpur	60-392125794	1-800-815-308
Philippines	Tagalog	Manila	+63 2 8395 3308 and 1-800-1-116-1020	1-800-1-116-1020
Russia	Russian		8-800-100-6346	8-800-100-6346
Saudi Arabia	Arabic and English		966-8111095861	
Singapore	English and Mandarin		65-31581349	800-101-2201
South Korea	Korean			003-0813-2549 and 080-822-1374
Taiwan	Mandarin	Taipei	886-2-7741-4207	00801-14-8954
Thailand	Thai		001-800-13-203-9987	001-800-13-203-9987
India	Hindi, Bengali, English		000-800-100-7141	000-800-100-7141

Australia	English	Sydney	61-290372994	
New Zealand	English	Auckland	64-98010034	

South Africa	English	None	0-800—983-611	0-800—983-611
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16.4 SDS Preparation Date 01/30/2018

SDS Previous Issue Date: None

SDS Revision Date: 07/04/2019 Revised sections 2,3,5,8,9,11,13,14,15,16

SDS Revision Date: 06/04/2021 Revised sections 2,3, ,9,11,14,15,16

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END OF SAFETY DATA SHEET