Safety Data Sheet

Compliant with Regulation (EU) No 830/2015
Compliant with CLP Regulation (EU) No 1272/2008

Date of Issue 28.07.2017 **Revision 0**

Section 1 - Chemical Product and Company Identification

1.1 Product Identifier

Product Name: X98

EC No: Blend

REACH registration number: The pre-registration process entitles VP Racing Fuels Inc. to use the transitional periods stipulated in the REACH regulation until May 31, 2018.

CAS No: Blend

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Racing Fuel

Uses advised against: **THIS FUEL IS FOR RACING VEHICLE USE ONLY! NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE**

1.3 Details of the supplier of the safety data sheet:

VP Racing Fuels, Inc
7124 Richter Road
Elmendorf, TX. 78112
210.635.7744
E-mail: 5.1, 2, e @vpracingfuels.com

1.4 Emergency Telephone Numbers:

CHEMTREC 800-424-9300

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

1.4 Emergency Telephone Continued:

EUROPE			
CHEMTREC Austria (Vienna)	+(43)-13649237		German
CHEMTREC Belgium (Brussels)	+(32)-28083237		French, Flemish, German
CHEMTREC Bulgaria (Plovdiv)	+(359)-32570104		Bulgarian
CHEMTREC Croatia (Zagreb)	+(385)-17776920		Croatian
CHEMTREC Czech Republic (Prague)	+(420)-228880039		Czech
CHEMTREC Denmark	+(45)-69918573		Danish
CHEMTREC Estonia	+(372-6681294		Estonian
CHEMTREC Finland (Helsinki)	+(358)-942419014		Finnish
CHEMTREC France	+(33)-975181407		French
CHEMTREC Germany *		0800-181-7059	German
CHEMTREC Germany (Frankfurt)	+(49)- 69643508409		German
CHEMTREC Greece (Athens)	+(30)-2111768478		Greek
CHEMTREC Hungary (Budapest)	+(36)-18088425		Hungarian
CHEMTREC Ireland (Dublin)	+(353)-19014670		English and Irish
CHEMTREC Italy *		800-789-767	Italian
CHEMTREC Italy (Milan)	+(39)-0245557031		Italian
CHEMTREC Latvia (Riga)	+(371)-66165504		Latvian
CHEMTREC Lithuania (Vilnius)	+(370)-52140238		Lithuanian
CHEMTREC Luxembourg	+(352)-20202416		French, German, Luxembourgish
CHEMTREC Netherlands	+(31)-858880596		Dutch
CHEMTREC Norway (Oslo)	+(47)-21930678		Norwegian
CHEMTREC Poland (Warsaw)	+(48)-223988029		Polish
CHEMTREC Portugal	+(351)-308801773		Portuguese
CHEMTREC Romania	(+40)-37-6300026		Romanian
CHEMTREC Russia*		8-800-100-6346	Russian
CHEMTREC Serbia ††	N/A	N/A	Serbian
CHEMTREC Slovakia (Bratislava)	+(421)-233057972		Slovak
CHEMTREC Slovenia (Ljubljana)	+(386)-18888016		Slovene/Slovenian
CHEMTREC Spain*		900-868538	European Spanish
CHEMTREC Spain (Barcelona)	+(34)-931768545		European Spanish
CHEMTREC Sweden (Stockholm)	+(46)-852503403		Swedish
CHEMTREC Switzerland (Zurich)	+(41)- 435082011		Swiss German, French and Italian
CHEMTREC Turkey (Istanbul)	+(90)-212-7055340		Turkish
CHEMTREC Ukraine	+(380)-947101374		Ukrainian
CHEMTREC UK (London)	+(44)-870-8200418		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

Section 2 - Hazards Identification

2.1 Classification of the blend
Classification according to Regulation EU) No 1272/2008

Highly Flammable liquid/vapor	Category 2	H225
Specific Target Organs toxicity single exposure	Category 3	H336
Specific Target Organs repeated exposure	Category 1	H372
Eye Irritation	Category 2A	H319
Skin Irritation	Category 2	H315
Acute Toxicity (Oral)	Category 4	H302
Mutagenicity	Category 1B	H340
Carcinogen	Category 1B	H350
Reproductive Toxicity	Category 2	H361
Aspiration Hazard	Category 1	H304
Toxic to Aquatic Life Long Lasting Effects	Category 2	H411

Additional Information: For full text of H and P codes see section 2.2,2.3,16

2.2 Pictograms



Flame Health Hazard Irritant Aquatic Hazard

Signal Word: Danger!

Hazard statements
H225: Highly flammable liquid and vapor
H302: Harmful if swallowed
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
H340: May cause genetic defects
H350: May cause cancer
H361: Suspected of damaging fertility or the unborn child
H372: Causes damage to organs through prolonged or repeated exposure
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

Supplemental hazard information
P301 +P310+ P331: IF SWALLOWED: USA Immediately call the National POISON CENTER at 800-222-1222. OUTSIDE USA Immediately 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+340: 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
P330: Rinse mouth

2.3 Other hazards
P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire
P376: Stop leaks if safe to do so.
P403+P405+P235: Store in a well-ventilated place, store locked up and keep cool
P501: Dispose of content and/or container in accordance with local, regional, national or international regulations

3 - Composition / Information on Ingredients

3.1

Chemical Names	Index No.	EC No.	REACH No.	CAS No	Percent
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	N/A	N/A	N/A	N/A	2-5%
1-Hydroxyethane	603-002-00-5	200-578-6		64-17-5	95-98%

3.2 Blend

Chemical Names	Index No.	EC No.	REACH No	CAS No
Complex hydrocarbon mixture	649-274-00-9	265-066-7		64741-64-6

The transition period according to REACH Regulation, article 23 has not yet expired.

3.3 Trade Secret Provision and Chemical Concentration Disclosure: In accordance with 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 Description of first aid measures

Following 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.

Following Skin contact: 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.

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

Following ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.2 Most important symptoms and effects, both acute and delayed: 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.

4.3 Indication of any immediate medical attention and special treatment needed: 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 +1-703-527-3887. 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 Extinguishing media: Carbon dioxide, dry chemical, foam. Use water to cool containers exposed to fire

5.2 Special hazards arising from the substance or mixture: Avoid fumes of burning product.

5.3 Advice for fire-fighters: Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

Additional information: Do not release runoff from fire to sewers or waterways.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency 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 Environmental precautions: Avoid direct contact with material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways.

6.3 Methods and material for containment and cleaning up: Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

6.4 Rreference to other sections: See section 8**.**

Section 7 - Handling and Storage

7.1 Precautions for safe handling: 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 Conditions for safe storage, including any incompatibilities: Store in a tightly closed container in a cool, dry and well-ventilated area.

7.3 Specific end use(s): Racing fuel only

Section 8 - Exposure Controls / Personal Protection

8.1 Exposure limits values

Chemical Names	ACGIH- TLV 2017	EU National Exposure Limits (OEL)
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	300 ppm TWA	300 ppm 8 hrs./380 Short term 15 min.
1-Hydroxyethane	1000 ppm TWA	1000 ppm 8 hrs./2000ppm Short term 15 min

8.2. Exposure control

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.

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

Individual protection measures

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 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/ISEA 105-2011** or European EN374 Standard.
Full contact: Nitrile rubber
Splash contact: Nitrile rubber

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).

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

Thermal Hazards: Combustion produces carbon monoxide and carbon dioxide

Environmental exposure controls: Follow instructions as given above.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State: Liquid
Appearance: Clear
Odor: Aromatic Hydrocarbon Odor
Vapor Pressure: Not Available
Vapor Density (Air=1): Not Available
Specific Gravity (H2O=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°C close cup
Boiling Point / Range: 36.5 – 205.6°C
Lower Explosive Limits (vol % in air): 1%
Upper Explosive Limits (vol % in air): 19%
Viscosity: Kinematic 0.46 cSt @ 40°C
Auto ignition Temperature: Not Available
Decomposition temperature: Not Available
pH: None

Section 10 - Stability and Reactivity

10.1 Reactivity: The product is reactive with the incompatible materials (please refer section 10.5).

10.2 Chemical stability: Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions: Hazardous polymerization has not been reported.

10.4 Conditions to avoid: Avoid heat, sparks open flames and other ignition sources

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: Combustion produces carbon monoxide and carbon dioxide.

Section 11- Toxicological Information

11.1 Information on toxicological effects
Acute toxicity

Product Name	Results	Species	Dose	Exposure
Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20	Oral LD50	Rat	>300 -<2000 mg/kg	None Listed
1-Hydroxyethane	Oral LD50	Rat	7060 mg/kg	4 hours

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

Oral Toxicity: OECD Guideline 401 Tests results found in the European Chemical Agency Data Base shows that components of this product to be Harmful Oral Toxicity.

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

Mutagenicity: OECD Guideline 476 Tests results found in the European Chemical Agency Data Base show components of this product to cause genetic defects

Skin Corrosion/Irritation: OECD Guideline 404 Tests 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.

Serious Eye Damage/Irritation: OECD Guideline 405 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

Reproductive toxicity: OECD Guideline 421 Tests results found in the European Chemical Agency Data Base show components of this product to cause damage to fertility or the unborn child.

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

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

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).

Specific Target Organ Toxicity (Repeated Exposure): Contains material which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

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

Carcinogenicity: OECD Guideline 453 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

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	48 hours

12.2 Mobility in soil: Inconclusive technical data.

12.3 Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Results of PBT and vPvB assessment: Inconclusive technical data.

12.6 Other adverse effects: Inconclusive technical data.

Other information: No data found.

Section 13 - Disposal Considerations

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

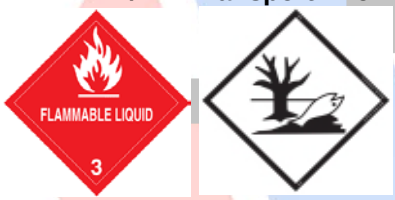
Section 14 - Transport Information

14.1 IMDG Transport Information



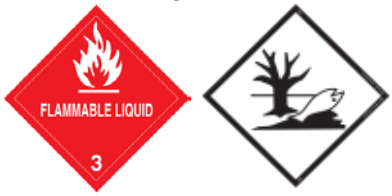
ID No.: UN 3475
Shipping Name: ETHANOL AND PETROL MIXTURE with more than 10% ethanol
Hazard Class: 3
Packing Group: II
Flash Point: (-40C c.c.)
EmS Number: F-E, S-E
Label: Flammable
Placard: Flammable
Marking: Marine Pollutant, Complex hydrocarbon mixture

14.2 ADR/RID 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
Marking : Marine Polluant Complex hydrocarbon mixture
Classification Code : F1

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
Placard: Flammable
Marking: Marine Pollutant Complex hydrocarbon mixture

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance: No information available.

15.1.1 EU regulations: All substances contained in this product are listed on the EU directives or are not required to be listed.

15.2 Chemical safety assessment: For this substance, a chemical safety assessment is not required.

Section 16 - Other Information

16.1 This safety data sheet is drawn up to comply with the requirements Commission Regulation (EU) No 830/2015 of 28 May 2015.

16.2 Key or legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning international carriage of Dangerous goods by Road
UN: The United Nations
CAS: Chemical Abstracts Service
EC: European Community
H: Hazard Statement
P: Precautionary statements
IMDG: International Maritime Dangerous Goods

16.3 Key literature referenc nd rces for data: CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS) 5.1, 2, e on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]: See SECTION 2.1 (classification).

16.5 Relevant H and P Codes (number and full text):
Hazard statements
H225: Highly flammable liquid and vapor
H302: Harmful if swallowed
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
H340: May cause genetic defects
H350: May cause cancer
H361: Suspected of damaging fertility or the unborn child
H372: Causes damage to organs through prolonged or repeated exposure
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
P271: Use only outdoors or in well ventilated area
P280: Wear protective gloves, clothing and eye protection

16.6 Training advice: None

16.7 Further information: None

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 particular purpose and on the condition that they assume the risk of their use.

Prepared by SJC Compliance Education, Inc
16516 El Camino Real Suite 417
Houston, TX 77062
5.1, 2, e [redacted]@sjcedu.org