



Safety Data Sheet

Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia
Date of Revision: 07/13/2020 Revision: 01

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Torq DX

1.2 Synonyms: Blend

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

1.4 Supplier: VP Racing Fuels Pty Ltd, Unit 24 85-115 Alfred Road, Chipping Norton, NSW 2170, Australia 02 9723 4233, **Emergency Telephone:** 0421 116 838.

1.5 Recommended Use: Racing Fuels

1.6 RESTRICTIONS on USE THIS FUEL IS FOR RACING VEHICLE USE ONLY!

NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE.

1.7 Emergency Response Number: CHEMTREC 800-424-9300

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

CHEMTREC Australia (Sydney) +(61) 290372994

1.8 Poison Control Centre: 13 11 26, 24 hours a day from anywhere in Australia.

Section 2 - Hazards Identification

2.1 GHS HAZARD

Hazard Classes

Flammable liquid/vapor

Acute Toxicity (Inhalation)

Carcinogenicity

Toxic to aquatic life with long lasting effects

Hazard Categories

Category 3

Category 4

Category 2

Category 2

2.2 Signal Word:

Danger

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Flame Health Hazard Irritant Aquatic Hazard

2.3 Pictograms:

2.4 Hazard Statements

PHYSICAL HAZARDS:

H226: Flammable liquid and vapor.

HEALTH HAZARDS:

H304: May be fatal if swallowed and enter airways.

H332: Harmful if inhaled.

H351: Suspected of causing cancer.

ENVIRONMENTAL HAZARDS:

H411: Toxic to aquatic life with long-lasting effects

PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children
P201: Obtain special instruction 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
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.
P304+P340: IF INHALED. Remove to fresh air and keep comfortable for breathing.
P308+P313: If exposed or concerned, get medical attention.
P314: Get medical attention if you feel unwell
P362+P363+P364: IF ON CLOTHING, take off contaminated clothing and wash it before reuse.

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P370+P378: In case of fire, use foam, carbon dioxide, dry chemical to extinguish the fire.
P391 Collect spill.

STORAGE STATEMENTS:

P403+P235: Store in a well-ventilated place.
Keep cool.
P405: Store locked up.

DISPOSAL STATEMENTS:

P501: Dispose of content and container following local, regional, national or international regulations.

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: AUH066 Repeated exposure may cause skin dryness and cracking.

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC#	Chemical Names	Percent	Classifications
N/A	N/A	Blend of Diesel fuel and hydrocarbons with performance additives	100%	None

3.2 Blend Contains

Chemical Names	CAS#	EC#	GHS Harmonized Classification
Diesel fuel	68476-34-6	270-676-1	Carc. 2 H351
2-ethylhexyl nitrate	27247-96-7	248-363-6	Acute Tox 4 H302, Acute Tox 4 H312, Acute Tox 4 H332, Aquatic Chronic 2 H411
2,5,7,10-tetraoxaundecane	4431-83-8	224-631-8	Not Classified

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 range and apply to the hazards as identified in this Safety Data Sheet.

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Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can irritate. Symptoms may include discomfort or pain and redness.

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 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 and wash clothing before reuse.

4.3 Ingestion: Liquid ingestion can cause headaches, gastrointestinal pain, nausea, and vomiting.

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

4.4 Inhalation: Prolonged breathing of high vapor concentrations can produce headaches, 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 exposure may be more related to the time between the exposure and treatment, rather than the amount 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, per 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.

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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 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 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
Diesel fuel	100 mg/m ³ vapor and aerosol, as total hydrocarbons	100 mg/m ³ vapor and aerosol, as total hydrocarbons
2-ethylhexyl nitrate	No exposure limit value found	No exposure limit value found
2,5,7,10-tetraoxaundecane	No exposure limit value found	No exposure limit value found

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 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 before Use. Use proper glove removal techniques 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: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

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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



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Purple

Odor: Petroleum odor

Vapor Pressure: Not Available

Vapor Density (Air=1): > 1

Specific Gravity (H₂O=1,): 0.84-0.86

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: Soluble

Flash Point: 37.7°C closed cup

Boiling Point: 162.7°C

Lower Explosive Limits (vol % in air): 0.4%

Upper Explosive Limits (vol % in air): 10%

Melting Point: Not Available

Viscosity: ≤ 20.5 mm²/s @ 40°C

Autoignition 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 and Perchloric Acid.

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

ACUTE TOXICITY ESTIMATE FOR THIS BLEND

ATE (Oral): 5882 mg/kg

ATE (Dermal): 2439 mg/kg

ATE (Inhalation vapor/mist): 4.7 mg/l mist

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

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11.11.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to be Inhalation Toxicity.

11.11.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to Dermal Toxicity.

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

11.3 Aspiration Hazard: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause Inhalation Toxicity.

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: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no 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 no components of this product to cause serious eye irritation.

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 Tests results found in the European Chemical Agency Database show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests 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 Data Base shows that no components of this product will cause organ toxicity due to single exposure. However, components of this blend may cause damage to the upper respiratory tract, skin, eyes, central nervous system (CNS).

11.11 Specific Target Organ Toxicity (Repeated Exposure): European Chemical Agency Data Base shows that no components of this product will cause organ toxicity due to repeat exposure. However, components of this blend may cause damage to kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

11.12 Signs and Symptoms: Effects of overexposure can include headaches, nausea, dizziness, vomiting, drowsiness, incoordination, and confusion. 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.

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Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Blend of Diesel fuel and hydrocarbons with performance additives	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment		
2-ethylhexyl nitrate	LC50 2 mg/l	Fish	96 hours
2,5,7,10-tetraoxaundecane	None Shown		

Toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase 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! The container should be completely emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

14.1 Australian Transport Information



ID No.: UN 1202

Shipping Name: Diesel Fuel

Hazard Class: 3

Packing Group: III

Label: Flammable

Placard: Flammable

Marking: The marine pollutant mark is only applicable for packages containing more than 5 liters for liquids

HAZCHEM Code: .3YE, HIN 33

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14.2 IMDG Transport Information



ID No.: UN 1202

Shipping Name: DIESEL FUEL

Hazard Class: 3

Packing Group: III

Flash Point: (37.7 °C c.c.)

EmS Number: F-E, S-E

Label: Flammable

Placard: Flammable

Marking: Marine Pollutant 2-ethylhexyl nitrate

14.3 UN Dangerous Goods Transport Information



ID No.: UN 1202

Shipping Name: Diesel Fuel

Hazard Class: 3

Packing Group: III

Label: Flammable

Placard: Flammable

Marking: Marine Pollutant 2-ethylhexyl nitrate

Section 15 - Regulatory Information

15.1

Australian manufacturers' and importers' obligations under the WHS Regulations: 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 particular purpose and on the condition that they assume the risk of their Use.

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16.2 References: CHEMpendium database of the 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.

16.3 SDS Preparation Date 07/24/2018

SDS Previous issue Date: None

SDS Revision Date: 07/13/2020 Revised Sections: 1,2,4,3,8,11,13,14,15,16

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