Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System
Conforms to The United Nations Regulation Globally Harmonized System
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – Europe
Conforms to Regulation (EC) No 1272/2008 and aligns to the United Nations Globally Harmonized System
Conforms to the Australian Preparation of Safety Data Sheets for Hazardous Chemicals under section 274 of the Work Health and Safety Act

Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Nitrorace™90**

1.2 Producer: VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX (USA) 78112, 210.635.7744

1.4 RECOMDATIONS on USE **THIS FUEL IS FOR RACING VEHICLE USE ONLY! NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE**

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

1.6 Emergency Telephone: CHEMTREC 800-424-9300

International Emergency Telephone Number: +1-703-527-3887
Australia (Sydney) + (61)-290372994

1.7 See Section 16.3 for CHEMTRC in Country Emergency Numbers

Section 2 - Hazards Identification

2.1 GHS CLASSIFICATION

Hazard	Categories
Flammable liquid/vapor	Category 3
Skin irritation	Category 2
Eye Irritation	Category 2A
Specific Target Organs toxicity single exposure	Category 1
Specific Target Organ Toxicity repeated exposure	Category 2
Acute Toxicity (Oral)	Category 3
Acute Toxicity (Inhalation)	Category 3
Acute Toxicity (Dermal)	Category 3
Reproductive toxicity	Category 2

Carcinogenicity **Category 1B**
Harmful to aquatic life long lasting effects **Category 3**

2.2 *Pictograms:*

Flame Irritant Health Hazard Toxic

2.3 Signal Word Danger

2.4 *Hazard Statements*

PHYSICAL HAZARDS:

H226: Flammable liquid and vapor

HEALTH HAZARDS:

H301 + H311: Toxic if swallowed or in contact with skin.
H315: Causes skin irritation
H319: Causes serious eye irritation
H331: Toxic if inhaled
H350: May cause cancer
H361: Suspected of damaging fertility or the unborn child
H336: May cause drowsiness or dizziness
H370: Causes damage to organs
H373: May cause damage to organs blood, thyroid and respiratory system through prolonged or repeated exposure

ENVIRONMENTAL HAZARDS:

H412: Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

P102: Keep out of reach of children
P202: Do not handle until all safety precautions have been read and understood
P210: Keep away from sparks and open flames- No smoking
P260: Do not breathe vapors
P280: Wear protective gloves, clothing and eye protection

RESPONSE STATEMENTS:

P301 +310+ P331: IF SWALLOWED: Immediately call the National POISON CENTER at 800-222-1222. DO NOT induce vomiting
P303+P361+353: 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
P306+P361: IF ON CLOTHING, Take off contaminated clothing
P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire
P376: Stop leaks if safe to do so. See section 6 for proper clean up

STORAGE STATEMENTS:

P403+P233: Store in a well-ventilated place. Keep container tightly closed

DISPOSAL STATEMENTS:

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

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC #	Chemical Names	Percent	Other Identifiers
75-52-5	200-876-6	Nitrocarbol	90%	NM
67-56-1	200-659-6	Carbinol	10%	Hydroxymethane

3.2 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 range 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 ingestion may be more related to the time between ingestion and treatment, rather 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, 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.

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ventilate area 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: Keep away from ignition sources such as heat, sparks and open flames NO SMOKING Take precautionary measures against static discharge. Non sparking tools should be used. Wear protective gloves, clothing and eye protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment. Empty containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death.

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

7.3 Chemical Incompatibilities: Shock, heat, oxidizers, hydrocarbons, hydroxides, inorganic bases, amines

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH TLV	OSHA - PELs
Nitrocarbol	20 ppm TWA	100 ppm TWA
Carbinol	200 ppm TWA	250 ppm TWA

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."

8.2 Engineering Controls:

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

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

8.4 Personal protective equipment

8.4.1 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).

8.4.2 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/ISEA 105-2011** or European EN374 Standard.
Full contact: Fluorinated rubber
Splash contact: Fluorinated rubber
This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use. It should not be construed as offering an approval for any specific use scenario.

8.4.3 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).

8.4.4 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.

8.5 Protective Clothing Pictograms

Section 9 - Physical and Chemical Properties

9.1
Physical State: Liquid
Appearance: Various
Odor: Sharp, pungent
Vapor Pressure: 27.3 mmHg @ 20°C
Vapor Density (Air=1): >2.1
Specific Gravity (H_2O=1,): 1.1-@ 68ºF / 20ºC
pH: 6.4

Water Solubility: slightly (or partially) miscible
Flash Point: 74°F, 23°C Close cup
Boiling Point: 149°F, 65°C
Lower Explosive Limits (vol % in air): 5%
Upper Explosive Limits (vol % in air): 36%
Freezing/Melting Point: Not Available
Viscosity: Not Available
Auto ignition Temperature: Not Available

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 Hazardous Decomposition Products: Combustion produces carbon monoxide, aldehydes, aromatic and other hydrocarbons.

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

Section 11- Toxicological Information

12.1

Product Name	Results	Species	Dose	Exposure
Nitrocarbol	Oral LD50	Rat	940 mg/kg	Non Listed
Carbinol	Oral LD50	Rat	2131 mg/kg	None Listed

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

11.11.2 OECD Guideline 403 Tests results found in the European Chemical Agency Data Base shows that components of this product to be Acute Oral Inhalation.

11.11.3 OECD Guideline 402 Tests results found in the European Chemical Agency Data Base shows that components of this product to Acute Dermal Toxicity

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

11.3 Aspiration Hazard: None

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11.4 Skin Corrosion/Irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

11.5 Serious Eye Damage/Irritation: Causes eye irritation.

11.6 Specific Target Organ Toxicity (Single Exposure): Causes damage to organs

11.7 Specific Target Organ Toxicity (Repeated Exposure): May cause damage to the following organs: Eyes, Kidney, Liver, Heart, Central nervous system.

11.8 Signs and Symptoms: Effects of overexposure can include: Carbinol may be fatal or cause blindness if swallowed. Effects may also include: Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. Symptoms may be delayed fatigue).Continued exposure to high concentrations can result in vomiting, cardiac irregularities and sudden loss of consciousness.

12.2 Carcinogenicity:

Chemical Name	IARC	ACGIH	NTP	OSHA
Nitrocarbol	Substance is possibly carcinogenic to humans	Confirmed animal with unknown relevance to humans	Substance is reasonably anticipated to be a human carcinogen	Yes
Carbinol	Not listed	Confirmed Human Carcinogen	Not listed	Not listed

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Nitrocarbol	IC50 36 mg/l	Algae	72 hours
Nitrocarbol	EC50 450 mg/l	Daphnia	24 hours
Nitrocarbol	LC50 460 mg/l	Fish	58 hours
Carbinol	LC50 29.4 mg/L	Fish	96 hours
Carbinol	LC50 22,200 mg/L	Daphnia	48 hours

12.2 Toxicity: This chemical is not regarded as toxic to aquatic organisms. However **DO NOT** discharge into a sewer or waterway.

12.3 Persistence and degradability: No data available

12.4 Bioaccumulative potential: No data available

12.5 Mobility in soil: No data available

12.6 Results of PBT and vPvB assessment: PBT/vPvB assessment not available

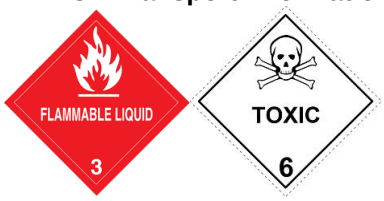
12.7 Other adverse effects: None

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 DOT Transport Information



ID No.: UN 1992
Shipping Name: Flammable liquids, toxic, n.o.s. (Nitrocarbol, Carbinol)
Hazard Class: 3
Packing Group: II
Label: Flammable, Toxic
Placard: Flammable, Toxic
Passenger aircraft: Forbidden
Cargo aircraft: Quantity limitation: 60L
Special provisions: None

14.2 TDG Canada Transport Information

ID No.: UN 1992
Shipping Name: Flammable liquids, toxic, n.o.s. (Nitrocarbol, Carbinol)
Hazard Class: 3
Packing Group: II
Label: Flammable, Toxic
Placard: Flammable, Toxic

14.3 IMDG Transport Information

ID No.: UN 1992
Shipping Name: FLAMMABLE LIQUIDS, TOXIC, N.O.S. (Nitrocarbol, carbinol)
Hazard Class: 3
Packing Group: II
Flash Point: 23 °C - closed cup
EmS Number: F-E, S-E
Label: Flammable, Toxic
Placard: Flammable, Toxic

1.4 ADR/RID Transport Information

ID No.: UN 1992
Shipping Name: Flammable liquids, toxic, n.o.s. (Nitrocarbol, Carbinol)
Packing Group: II
Label: Flammable, Toxic
Placard: Flammable, Toxic
Classification Code: FT1

14.5 Australian Dangerous Goods Transport Information

ID No.: UN 1992
Shipping Name: Flammable liquids, toxic, n.o.s. (Nitrocarbol, Carbinol)
Hazard Class: 3
Packing Group: II
Label: Flammable, Toxic
Placard: Flammable, Toxic

Section 15 - Regulatory Information

15.1 US Regulations:

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

CERCLA Hazardous Substances and corresponding RQs: None

SARA Community Right-to-Know Program: Yes

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are covered by 1910.1200

15.2 State Regulations
California prop. 65: Nitrocarbol, Carbinol Cancer

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 Canadian Regulation
All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

15.3 Europe Regulations
Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (Including amendments) and take into account the intended product use.

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

15.4 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 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 particular 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 on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

16.3 CHEMTREC In country emergency dial numbers

China 4001-204937 must be call within China
Germany 0800-181-7059 must be call within Germany
Germany (Frankfurt) + (49)-6964350840
Russia 8-800-100-6346 Must be call within Russia

16.4 SDS Preparation Date: 05/14/2015

Prepared by SJC Compliance Education, Inc
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