

Material Safety Data Sheet

Material Name: Unleaded Race Fuel Concentrate

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

Newton Oil Company
3150 S 460 E
Lafayette, IN 47905

Phone: 765-742-4001
Fax: 765-742-7415
Emergency # P.E.R.S. 1-800-633-8253

*** Section 2 - Hazards Identification ***

Emergency Overview

Clear, Colorless Liquid. EXTREMELY FLAMMABLE, HIGH HAZARD. Liquid can release considerable vapor at temperatures below ambient which readily form flammable mixtures. Vapors settle to ground level and may reach, via drains and other underground passages, ignition sources remote from the point of escape. Product can accumulate a static charge which may cause a fire or explosion.

Potential Health Effects: Eyes

Slightly irritating to the eyes.

Potential Health Effects: Skin

Prolonged repeated skin contact may cause skin irritation and/or dermatitis.

Potential Health Effects: Ingestion

Low viscosity material-if swallowed may enter the lungs and cause lung damage.

Potential Health Effects: Inhalation

High vapor/aerosol concentrations are irritating to the eyes and the respiratory tract may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

HMIS Ratings: Health: 1 Fire: 3 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
64741-66-8	Naphtha (petroleum), light alkylate	95
12108-13-3	Methyl cyclopentadienyl manganese tricarbonyl	<5

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Flush thoroughly with water. If irritation occurs, call a physician.

First Aid: Skin

Wash contact areas with soap and water. Immediately remove contaminated clothing, including shoes. Launder contaminated clothing before reuse.

First Aid: Ingestion

Seek immediate medical attention. Do not induce vomiting.

First Aid: Inhalation

Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.

First Aid: Notes to Physician

Material if ingested may be aspirated into the lungs and can cause chemical pneumonitis. PRE-EXISTING MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: Skin contact may aggravate an existing dermatitis.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.

Material Safety Data Sheet

Material Name: Unleaded Race Fuel Concentrate

EXTREMELY FLAMMABLE, HIGH HAZARD. Liquid can release considerable vapor at temperatures below ambient which readily form flammable mixtures. Vapors settle to ground level and may reach, via drains and other underground passages, ignition sources remote from the point of escape. Product can accumulate a static charge which may cause a fire or explosion.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, water.

Extinguishing Media

Carbon Dioxide, Foam, Dry Chemical, Water Fog.

Fire Fighting Equipment/Instructions

Evacuate area. For large spills, fire fighting foam is the preferred agent and should be applied in sufficient quantities to blanket the product surface. Water may be ineffective, but water should be used to keep fire-exposed containers cool. Water spray may be used to flush spill away from exposures, but good judgment should be practiced to prevent spreading of the product into sewers, streams or drinking water supplies. If a leak or spill has not ignited, apply a foam blanket to suppress the release of vapors. If foam is not available, a water spray curtain can be used to disperse vapors and to protect personnel attempting to stop the leak. This liquid is volatile and gives off invisible vapors. Either the liquid or the vapor may settle in low areas or travel some distance along the ground or surface to ignition sources, where they may ignite or explode.

NFPA Ratings: Health: 1 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.

Clean-Up Procedures

LAND SPILL: Eliminate sources of ignition. Warn occupants in downwind areas of fire and explosion hazard. Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping using explosion-proof equipment or contain spilled liquid with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.

WATER SPILL: Eliminate sources of ignition. Advise occupants and ships in the vicinity in downwind areas of fire and explosion hazard and warn them to stay clear. Notify port and other relevant authorities. Do not confine in area of leakage. Remove from surface with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Avoid inhalation of vapors or mists. Use in well ventilated area away from all ignition sources. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Use product with caution around heat, sparks, pilot lights, static electricity, and open flames. Do not fill container in or on a vehicle. Static electricity may ignite vapors and cause fire. Place container on ground when filling and keep nozzle in contact with container.

Storage Procedures

Drums must be grounded and bonded and equipped with self-closing valves, pressure vacuum bungs and flame arresters. Store away from all ignition sources in a cool, well ventilated area equipped with an automatic sprinkling system. Outside or detached storage preferred. Storage containers should be grounded and bonded. Protect against direct sunlight.

Material Safety Data Sheet

Material Name: Unleaded Race Fuel Concentrate

SPECIAL PRECAUTIONS: To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers, etc.) in or around any fueling operation or storage area unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and/or local laws and regulations. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Use in well ventilated area with local exhaust ventilation. Ventilation equipment must be explosion proof.

B: Component Exposure Limits

Methyl cyclopentadienyl manganese tricarbonyl (12108-13-3)

- ACGIH: 0.2 mg/m³ TWA (as Mn)
Skin - potential significant contribution to overall exposure by the cutaneous route
- OSHA: 0.2 mg/m³ TWA (as Mn)
Prevent or reduce skin absorption
- NIOSH: 0.2 mg/m³ TWA (as Mn)
Potential for dermal absorption

Engineering Controls

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

If splash with liquid is possible, chemical type goggles should be worn.

Personal Protective Equipment: Skin

Impervious gloves should be worn. Good personal hygiene practices should always be followed.

Personal Protective Equipment: Respiratory

Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-contained breathing apparatus may be required for use in confined or enclosed spaces.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Material Safety Data Sheet

Material Name: Unleaded Race Fuel Concentrate

Appearance:	Clear, Colorless	Odor:	Mild Hydrocarbon
Physical State:	Liquid	pH:	NA
Vapor Pressure:	36.9 mmHg @ 20 C	Vapor Density:	3.9
Boiling Point:	>98 C (208 F)	Melting Point:	NA
Solubility (H2O):	Negligible	Specific Gravity:	ND
Evaporation Rate:	4.3	VOC:	ND
Octanol/H2O Coeff.:	ND	Flash Point:	>-8 C (18F)
Flash Point Method:	ASTM D-56	Upper Flammability Limit (UFL):	6.3
Lower Flammability Limit (LFL):	0.9	Burning Rate:	ND
Auto Ignition:	442 C (828 F)		

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Heat, sparks, flame and build up of static electricity.

Incompatibility

Strong oxidizers.

Hazardous Decomposition

Product does not decompose at ambient temperatures.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Naphtha (petroleum), light alkylate (64741-66-8)

Inhalation LC50 Rat >5.04 mg/L 4 h; Oral LD50 Rat >7000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Methyl cyclopentadienyl manganese tricarbonyl (12108-13-3)

Inhalation LC50 Rat 76 mg/m³ 4 h; Oral LD50 Rat 8 mg/kg; Dermal LD50 Rabbit 140 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Naphtha (petroleum), light alkylate (64741-66-8)

Test & Species

72 Hr EC50 Pseudokirchneriella 30000 mg/L

subcapitata

48 Hr LC50 Mysidopsis bahia 2 mg/L

Conditions

Material Safety Data Sheet

Material Name: Unleaded Race Fuel Concentrate

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Petroleum Distillates, n.o.s. (contains LIGHT ALKYLATE NAPHTHA)

UN/NA #: 1268 **Hazard Class:** 3 **Packing Group:** II

*** Section 15 - Regulatory Information ***

US Federal Regulations

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Methyl cyclopentadienyl manganese tricarbonyl (12108-13-3)

SARA 302: 100 lb TPQ

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Methyl cyclopentadienyl manganese tricarbonyl	12108-13-3	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Methyl cyclopentadienyl manganese tricarbonyl	12108-13-3	1 %

Additional Regulatory Information

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Naphtha (petroleum), light alkylate	64741-66-8	Yes	DSL	EINECS
Methyl cyclopentadienyl manganese tricarbonyl	12108-13-3	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given.

However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.