



## Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System  
Date of Revision: 01/07/2020 Revision: 03

### Section 1 - Chemical Product and Company Identification

- 1.1 **Product Name: M2**  
1.2 **Synonym:** Blend  
1.3 **VP Racing Fuels, Inc.**  
1.4 **Recommended Use:** Lubricant  
1.5 **RESTRICTIONS on USE** **THIS IS LUBRICANT FOR RACING FUEL USE ONLY!**

### Section 2 - Hazards Identification

#### 2.1 GHS HAZARD

##### Hazard Classes

**Skin irritation**  
**Eye irritation**  
**Skin Sensitization**

##### Hazard Categories

**Category 2**  
**Category 2A**  
**Category 1**

2.2 **Signal Word:** **Warning**



2.3 **Pictograms:**



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### 2.4 Hazard Statements

PHYSICAL HAZARDS:	None
HEALTH HAZARDS:	H316 Causes skin irritation. H317: May cause an allergic skin reaction. H320 Causes serious eye irritation.
ENVIRONMENTAL HAZARDS:	None
PRECAUTIONARY STATEMENTS:	P102: Keep out of reach of children. P261: Avoid breathing mist. P264: Wash hands thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves, clothing and eye protection.
RESPONSE STATEMENTS:	P303+P361+353: IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. P305+P351: IF IN EYES: Rinse cautiously with water for at least 15 minutes. P313+P332+P333+P337: If skin or eye irritation persists or skin rash occurs, get medical attention. P362+P364: Take off contaminated clothing and wash them before reuse.
STORAGE STATEMENTS:	None
DISPOSAL STATEMENTS:	P501: Dispose of content and/or container in accordance with 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

CAS#	EC#	Chemical Names	Percent	Classification
25322-69-4	500-039-8	Methyloxirane homopolymer	90 – 99%	Not Classified
25619-56-1	247-132-7	Barium bis(dinonylnaphthalenesulphonate)	1 - 10%	Acute Tox. 4 H302, Skin Irrit. 2, Skin Senes.1 H317, Eye Irrit. 2 H319, Acute Tox .4 H332

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### 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 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 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 outcome following 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.

### 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.

**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.

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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
Methyloxirane homopolymer	10 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
Barium bis(dinonylnaphthalenesulphonate)	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> 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 are 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: Nitrile rubber

Splash contact: Nitrile rubber

##### 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, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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### 8.6 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron

## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Odorless

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** 1

**Specific Gravity (H<sub>2</sub>O=1,):** 0.75

**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 in water

**Melting point/freezing point:** -76 °F, (-60 °C)

**Flash Point:** 217°F (103°C) close cup

**Boiling Point / Range:** 217°F (103°C)

**Lower Explosive Limits (vol % in air):** 2.6%

**Upper Explosive Limits (vol % in air):** 12.5%

**Viscosity:** Viscosity: Kinematic 58-139 cm<sup>2</sup>/s104°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): 4000 mg/kg

ATE (Dermal): 3333 mg/kg

ATE (Inhalation vapor/mist): 20.4 mg/l

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

**11.1.2** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Dermal Toxicity.

**11.1.3** OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause Harmful Inhalation Toxicity.

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

**11.3 Aspiration Hazard:** European Chemical Agency Data Base shows that no 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:** 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 crack.

**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 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 be toxic to organs due to a single exposure. However, it may irritate skin, eyes and upper respiratory tract.

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** European Chemical Agency Data Base shows that no components of this product be toxic to organs due to repeat exposure. However, it may irritate skin, eyes and upper respiratory tract.

**11.12 Signs and Symptoms:** Effects due to exposure may include: Headache, Dizziness, Drowsiness, skin eye, and eye irritation. 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.

Chemical Name	IARC	ACGIH	NTP	OSHA
Methyloxirane homopolymer	Not Listed	Not Listed	Not Listed	Not Listed
Barium bis(dinonylnaphthalenesulphonate)	Not Listed	Not Listed	Not Listed	Not Listed

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### Section 12 - Ecological Information

#### 12.1

Product Name	Results	Species	Exposure
Methyloxirane homopolymer	LC50 100 mg/l	Fish	96 hours
Barium bis(dinonylnaphthalenesulphonate)	LC50 10000 mg/l	Fish	96 hours

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency DataBase show no components of this product to cause long-term toxicity to aquatic life. However, avoid release into the environment.

**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 emptied before 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

Regulatory Information	UN #	Proper Shipping Name	Hazard Class	PG	Label	Additional Information
DOT Classification		Not Regulated				
IMDG Classification		Not Regulated				
UN Classification		Not Regulated				

### 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 doesn't contain chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372).

**CERCLA Hazardous Substances and corresponding RQs:** None

**SARA Community Right-to-Know Program:** None

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**Clean Water Act:** None

**Clean Air Act:** None

**OSHA:** All ingredients are regulated by 29 CFR 1910.1200.

### State Regulations

**California prop. 65:** None

### 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 the 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 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.