



## Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System  
Date of Revision: None Revision: 0

### Section 1 - Chemical Product and Company Identification

- 1.1 Product Name: **PM E85R**  
1.2 Synonym: Blend  
1.3 Powermaster, 7124 Richter Road, Elmendorf, TX 78112, 210.787.4875  
1.4 Recommended Use: Racing Fuel  
1.5 **RESTRICTIONS on USE THIS FUEL IS FOR RACING VEHICLE USE ONLY!**  
**NOT LEGAL FOR STREET DRIVEN MOTOR VEHICLE**  
1.6 Emergency Response Number: **CHEMTREC 800-424-9300**

### Section 2 - Hazards Identification

#### 2.1 GHS HAZARD

##### Hazard Classes

Highly Flammable liquid/vapor  
Mutagenicity  
Carcinogen  
Aspiration Hazard  
Toxic to Aquatic Life Long Lasting Effects

##### Hazard Categories

Category 2  
Category 1B  
Category 1B  
Category 1  
Category 2

#### 2.2 Signal Word: **Danger**



#### 2.3 Pictograms:

Flame Health Hazard Irritant Aquatic Hazard

#### 2.4 Hazard Statements

PHYSICAL HAZARDS:

H225: Highly flammable liquid and vapor.

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|                                  |   |
|----------------------------------|---|
| <b>HEALTH HAZARDS:</b>           | <p>H304: May be fatal if swallowed and enter the airway.<br/>H340: May cause genetic defects.<br/>H350: May cause cancer.<br/>H361: Suspected of damaging fertility or the unborn child.</p>  |
| <b>ENVIRONMENTAL HAZARDS:</b>    | <p>H411: Toxic to aquatic life with long-lasting effects.</p>   |
| <b>PRECAUTIONARY STATEMENTS:</b> | <p>P102: Keep out of reach of children.<br/>P201: Obtain special instructions before use.<br/><b>READ SDS BEFORE USE.</b><br/>P202: Do not handle until all safety precautions have been read and understood.<br/>P210: Keep away from sparks and open flames- No smoking.<br/>P233: Keep the container tightly closed.<br/>P240: Ground or bond container and receiving equipment.<br/>P241: Use explosion-proof equipment.<br/>P242 Use only non-sparking tools.<br/>P243 Take precautionary measures against static discharge.<br/>P260: Do not breathe mist.<br/>P264: Wash hands thoroughly after handling.<br/>P270: Do not eat, drink, or smoke when using this product.<br/>P271: Use only outdoors or in a well-ventilated area.<br/>P273: Avoid release to the environment.<br/>P280: Wear protective gloves, clothing, and eye protection.</p> |
| <b>RESPONSE STATEMENTS:</b>      | <p>P301 +P310+ P331: IF SWALLOWED: <u>USA</u> Immediately call the National POISON CENTER at <b>800-222-1222</b>. <u>OUTSIDE USA</u> Immediately call a poison center or doctor. DO NOT induce vomiting.<br/>P303+P361+P353: IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water.<br/>P308+P313: If exposed or concerned, get medical attention.<br/>.<br/>P313+P332+P337: If skin or eye irritation persists, get medical attention.<br/>H314: Get medical attention if you feel unwell.<br/>P362+P363+P364: IF ON CLOTHING, take off contaminated clothing and wash it before reuse</p>  |

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

### STORAGE STATEMENTS:

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

### DISPOSAL STATEMENTS:

**P501:** Dispose of content and container per 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

### 3.1

| CAS#    | EC#       | Chemical Names   | Percent | Classification    |
|---------|-----------|--|---------|-------------------|
| N/A     | N/A       | Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 | 10-30 % | None              |
| 64-17-5 | 200-578-6 | 1-Hydroxyethane  | 70-90 % | Flam. Liq. 2 H225 |

### 3.2 Blend Contains

| Chemical Names      | CAS#       | EC#       |   |
|---------------------|------------|-----------|---|
| Alkylate Full Range | 64741-64-6 | 265-066-7 | Asp. Tox. 1 H304, Muta. 1B H340, Carc. 1B H350, Aquatic |

**3.3 Trade Secret Provision and Chemical Concentration Disclosure:** Per OSHA and GHS Regulations, we have withheld specific chemical percentages in this mixture. The chemical concentrations have been disclosed as a blend and applicable to the hazards 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 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.

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**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 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.

**4.6 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 according to 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.

### 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 it 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 container tightly closed. Avoid inhalation.

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

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### Section 8 - Exposure Controls / Personal Protection

#### 8.1

| Chemical Names  | ACGIH- TLV      | OSHA - PEL      |
|---|-----------------|-----------------|
| Blend of Aliphatic and Aromatic Hydrocarbons<br>C-2 to C-20 | Not established | Not established |
| 1-Hydroxyethane   | 1000 ppm TWA    | 1000 ppm 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 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 them before reuse. Remove this material from your shoes and clean personal protective equipment.

#### 8.5 Personal protective equipment

##### 8.5.1 Respiratory protection

Risk assessment shows air-purifying respirators are appropriate to use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as backup 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.

##### 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



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### Section 9 - Physical and Chemical Properties

#### 9.1

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Aromatic Hydrocarbon Odor

**Vapor Pressure:** Not Available

**Vapor Density (Air=1):** Not Available

**Specific Gravity (H<sub>2</sub>O=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°F (-40°C) close cup

**Boiling Point / Range:** 97.7 – 402.1°F  
(36.5 – 205.6°C)

**Lower Explosive Limits (vol % in air):** 1%

**Upper Explosive Limits (vol % in air):** 19%

**Viscosity:** Viscosity: <20.5mm<sup>2</sup>/s 104°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): 5000 mg/kg

ATE (Dermal): 10000 mg/kg

ATE (Inhalation vapor/mist): 23.8 mg/l

**11.1.1** OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause Harmful Oral Toxicity.

**11.1.2** OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause Harmful Dermal Toxicity.

**11.1.3** OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause Harmful Inhalation Toxicity.

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

**11.3 Aspiration Hazard:** European Chemical Agency Database shows that 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 components of this product to cause genetic defects

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**11.5 Skin Corrosion/Irritation:** The OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** The OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause serious eye irritation.

**11.7 Reproductive toxicity:** OECD Guideline Tests 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 Database shows that components of this product may cause damage to the central nervous system (CNS).

**11.11 Specific Target Organ Toxicity (Repeated Exposure):** OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product organ toxicity due to repeat exposure. However, it may contain chemicals that may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

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

**11.13 Carcinogenicity:** The OECD Guideline Test results found in the European Chemical Agency Database show that components of this product cause cancer.

| Chemical Name  | IARC                            | ACGIH   | NTP        | OSHA       |
|--|---------------------------------|---|------------|------------|
| Blend of Aliphatic and Aromatic Hydrocarbons C-2 to C-20 | Possibly carcinogenic to humans | Known carcinogenic to humans                      | Not listed | Not listed |
| 1-Hydroxyethane  |                                 | Confirmed animal with unknown relevance to humans | Not listed | Not listed |

## 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    | 96 hours |
| 1-Hydroxyethane  | LC50 14,221 mg/l  | Daphnia | 48 hours |

**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.

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**12.2 Mobility:** Floats on water.

**12.3 Persistence/degradability:** Inconclusive technical data.

**12.4 Bioaccumulation:** Inconclusive technical data.

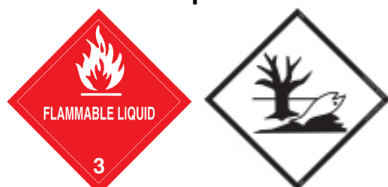
**12.5 Other adverse effects:** Inconclusive technical data.

### 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 US 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

**Marine Pollutant:** Alkylate Full Range

**Marking:** Marine Pollutant when shipping ground greater than 119 gallons single container or any quantity by water.

### 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 contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

| CAS Number | Chemical Name | Chemical percentage by weight not exceeding |
|------------|---------------|---|
| 110-54-3   | n-Hexane      | At demines% limits                          |
| 100-41-4   | Ethylbenzene  | At demines% limits                          |

This information must be included in all SDSs that are copied and distributed for this material.

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

**SARA Community Right-to-Know Program:** All components of this blend.

**Clean Water Act:** None



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**Clean Air Act:** None

**OSHA:** All ingredients are regulated by 29 CFR1910.1200

### State Regulations

**California prop. 65**



**WARNING** This product can expose you to chemicals Ethylbenzene CAS # 100-41-4 and n-Hexane CAS # 110-54-3, known to the State of California to cause cancer and birth defects other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 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.

## 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 any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall decide the suitability of the product for their purpose and on the condition that they assume the risk of their use.

**16.2 References:** CHEMpendium Database of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Database and MSDS and SDS of chemicals in this mixture.

**16.3 SDS Preparation Date** 05/24/2021

**SDS Previous Issue Date:** None

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END OF SAFETY DATA SHEET