

**SAFETY DATA SHEET**  
**MIRAKUL**  
**Petrol Mileage Booster**

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**1. Identification of the substance/mixture and of the company/undertaking**

**Product identifier**

Mirakul Petrol Mileage Booster

**Relevant identified uses of the substance or mixture and uses advised against**

Gasoline Fuel Additive

**Details of the supplier of the safety data sheet**

Mirana Healthcare Private Limited  
No 13/9/11, HSMI Indl. Estate, 5<sup>th</sup> Cross, Okalipuram, Bangalore 560021  
Ph.: 9845231759, email - mirakul007@gmail.com

**Emergency telephone number:**

Out of normal working hours: +91 99 00 33 33 22

**2. Hazards identification**

**Classification of the substance or mixture**

Classified as Flammable Liquid Category 2, Eye Irritant Category 2, Specific Target Organ Toxicity Single Exposure Category 3.

**Label element**

**Flammable**, Store in a cool place away from heat sources.

*Hazard Class*

**Flammable Liquids, Category 2**

**Eye Irritation, Category 2**

**Specific Target Organ Toxicity-Single Exposure, Category 3**

**Hazard Statements**

Flammable liquid and vapor.

Causes serious eye irritation

May cause drowsiness or dizziness

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces – No smoking.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Get medical advice/attention.

Store in a well ventilated place.

**Other hazards**

N/A

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**3. Composition/information on ingredients**

**3.1. Substances**

<i>Substance</i>	<i>CAS- No</i>
A complex mixture of Hydrocarbons	Not Available

**4. First aid measures**

**Description of first aid measures**

*Eyes* –immediately flood the eye with plenty of water for at least 10 minutes and get medical attention.

*Ingested* – wash out mouth with water. Do not induce vomiting. Keep warm and at rest. Get medical attention urgently.

*Skin* – remove contaminated clothing and wash skin thoroughly with water. If irritation persists get medical advice.

*Inhalation* –Remove from exposure. Keep warm and at rest and get medical attention.

**Most important symptoms and effects, both acute and delayed**

Causes redness and pain in the eyes. Inhalation can cause headache, dizziness or drowsiness.

**Indication of any immediate medical attention and special treatment needed**

If not sure about any symptoms contact a doctor or emergency service.

**5. Fire fighting measures**

**Extinguishing media**

*Suitable extinguishing media* – water spray, **alcohol resistant foam**, dry chemicals or carbon dioxide.

*Unsuitable extinguishing media* – Do not use water jet.

**Special hazards arising from the substance or mixture**

Combustion will generate oxides of carbon. Fire creates toxic gases/ vapours/fumes of carbon monoxide (CO) and Carbon dioxide (CO<sub>2</sub>)

**Advice for fire-fighters**

Wear self contained breathing apparatus.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing (see Section 8), consider need for evacuation. Eliminate all source of ignition.

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**Environmental precautions**

Prevent material entering drains and watercourses. Advise local authorities if spillage has entered watercourses and sewer.

**Methods and material for containment and cleaning up**

Contain and absorb using inert material and transfer into suitable containers for recovery or disposal by a licensed waste contractor.

**Reference to other sections**

See section 8 for protective equipment requirements.

**7. Handling and storage**

**Precautions for safe handling**

Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.

**Conditions for safe storage, including any incompatibilities**

Storage should be cool, well ventilated away from sources of ignition or heat. Prevent accumulation of static charge. Store in original packaging.

**Specific end use(s)**

N/A

**8. Exposure controls/personal protection**

**8.1. Control parameters**

Long term exposure limit 300ppm (1207 mg/m<sup>3</sup>)

Short term exposure limit 1000ppm (3620 mg/m<sup>3</sup>)

**8.3. Exposure controls**

*Engineering Controls* – Explosion proof general and local exhaust ventilation.

*Eye/face Protection* – chemical goggles or face shield

*Hand protection* – Viton rubber or PVA gloves.

*Skin protection* – overalls must be worn when handling large quantities.

*Other protection* – prevent skin contact.

*Respiratory protection* – if high vapour concentrations wear respiratory protection.

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**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

*Appearance – A clear, light orange liquid*

*Boiling point – 77°C*

*Odour – Pungent*

*Flash point – 10°C (closed cup)*

*pH – 6.5*

*Viscosity – not available*

*Melting Point/freezing point – not available*

*Flammability – flammable*

*Relative density – 0.84 @20 °C*

*Oxidising properties – not available*

*Partition coefficient – not available*

*Vapour density (air=1) – 1.8*

*Decomposition temperature – not available*

*Solubility – soluble in water*

*Explosive properties – not available*

*Auto ignition temperature – not available*

**Other information**

Not available

**10. Stability and reactivity**

**Reactivity**

Reacts with oxidising agents.

**Chemical stability**

Stable under normal ambient temperature conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**Incompatible materials**

Strong oxidising substances. Strong acids.

**Hazardous decomposition products**

Not known

**11. Toxicological information**

**11.1. Information on toxicological effects**

*Acute toxicity – LD50 (oral rat) 8500mg/kg.*

Ingestion may cause severe internal injury and stomach pain or vomiting.

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*Skin corrosion/irritation* – prolonged or repeated skin contact with the product may cause skin dryness.

*Serious eye damage/irritation* – Irritation to eyes and may cause redness and pain.

*Respiratory or skin sensitization* – not known.

*Germ cell mutagenicity* – No component of this product at levels greater than 0.1% is classified as a mutagen.

*Carcinogenicity* – No component of this product at levels greater than 0.1% is identified as a carcinogen.

*Reproductive toxicity* – No component of this product at levels greater than 0.1% is classified as a reproductive toxin.

*STOT- single exposure* –vapours may cause drowsiness or dizziness. Vapours may irritate respiratory system or lungs, CNS depressant. Symptoms and signs include headache, dizziness, fatigue, muscular weakness and in extreme cases loss of consciousness.

*STOT-repeated exposure* – not known

*Aspiration hazard* – not known

<b>12. Ecological information</b>
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**Toxicity**

The product is non toxic to aquatic organisms. LC50> 4800 mg/l 96h (fish), EC50 > 9800 mg/l (daphnia)

**Persistence and degradability**

The product is readily biodegradable in aerobic system.

**Bioaccumulative potential**

The product is not expected to bioaccumulate through food chains in the environment.

**Mobility in soil**

The product is poorly absorbed onto soils or sediments.

**Results of PBT and vPvB assessment**

Not known

**Other adverse effects**

Not known

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**13. Disposal considerations**

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**14. Transport information**

**UN number**

Not Available

**UN proper shipping name**

UN 1993 Flammable Liquids

**Transport hazard class (es)**

3

**Packing group**

II

**Environmental hazards**

None

**Special precautions for user**

Flammable liquid.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N/A

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not regulated by specific legislation.

**Chemical Safety Assessment**

Not available

**16. Other information**

**Reason for change**

Update to CLP.

**Source of information**

Supplier's safety data sheet