

SAFETY DATA SHEET
MIRAKUL
Diesel Mileage Booster

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

Product identifier

Mirakul Diesel Mileage Booster

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

Diesel Fuel Additive

Details of the supplier of the safety data sheet

Mirana Healthcare Private Limited
No 13/9/11, HSMI Indl. Estate, 5th Cross, Okalipuram, Bangalore 560021
Ph.: 98452 31759, 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 (CO₂)

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 vapor. 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/m³)

Short term exposure limit 1000ppm (3620 mg/m³)

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 vapor concentrations wear respiratory protection.

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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance – A clear, yellowish 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

12. Ecological information

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