



Material Safety Data Sheet (MSDS)

Product Name: Petrotex Octane Booster
Manufacturer: Tarrah Sazan Arvand Shimi
Date of Issue: [11-05-2024]
Revision Number: 1.0
Emergency Phone Number: +98-21-22011046

SECTION 1: Identification of the Substance/Preparation and the Company

Product Name: Petrotex Octane Booster
Product Use: Fuel additive designed to enhance octane rating in gasoline engines, improving performance and reducing engine knock.
Manufacturer: Tarrah Sazan Arvand Shimi
Address: Unit 3, Floor 3, Maryam Commercial Building (No. 5), Maadar Square, Mirdamad Ave, Tehran, Iran
Phone Number: +98-21-22220192 , 22220193
Emergency Contact Number: +98-21-22011046

SECTION 2: Hazards Identification

Classification of the Substance or Mixture:
Flammable Liquid (Category 2) – High risk of ignition, burns easily.
Skin Irritation (Category 2) – May cause irritation on contact with skin.
Eye Irritation (Category 2A) – Can cause serious eye irritation.
Specific Target Organ Toxicity - Single Exposure (STOT SE) (Category 3) – May cause respiratory irritation or drowsiness.

GHS Label Elements:

Pictograms:
Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapor.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness if inhaled.

Precautionary Statements:

Prevention:
P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.
P280: Wear protective gloves, eye protection, and face protection.

Response:

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes; remove contact lenses if present and easy to do.



P302+P352: If on skin, wash with plenty of soap and water.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container in accordance with local, regional, and national regulations.

SECTION 3: Composition/Information on Ingredients

Ingredient	CAS Number	Percentage (%)	Hazard Classification
naphtha petroleum, isoparaffin, hydrotreated	64742-48-9.	5-10%	Toxic, flammable
Toluene	108-88-3	10-30%	Flammable, toxic
Petroleum Distillates	64742-47-8	40-60%	Flammable, irritant
Xylene	1330-20-7	5-10%	Flammable, toxic
Other proprietary ingredients	Confidential	Balance	Not disclosed

SECTION 4: First Aid Measures

Inhalation: If inhaled, move the person to fresh air immediately. If symptoms such as dizziness or respiratory irritation persist, seek medical attention.

Skin Contact: Immediately wash affected areas with soap and water. Remove any contaminated clothing. If skin irritation or rash occurs, seek medical advice.

Eye Contact: Rinse eyes cautiously with water for at least 15-20 minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water and drink a small amount of water. Seek medical attention immediately.

SECTION 5: Firefighting Measures

Extinguishing Media:

Suitable: Use dry chemical, carbon dioxide, or alcohol-resistant foam.

Unsuitable: Do not use water jet as it may spread the fire.

Special Hazards Arising from the Substance or Mixture: Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors and ignite at distant points.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus and protective clothing. Move containers from fire area if safe to do so.

SECTION 6: Accidental Release Measures

Personal Precautions: Evacuate the area. Eliminate all sources of ignition. Wear protective gloves, goggles, and a respirator if needed.



Environmental Precautions: Prevent the product from entering drains, surface water, or groundwater.

Methods for Cleaning Up: Contain the spill with inert material (sand, earth). Transfer to a suitable container for disposal according to local regulations.

SECTION 7: Handling and Storage

Handling: Avoid breathing vapors or contact with skin. Use in a well-ventilated area. Avoid sparks, flames, and smoking around the product.

Storage: Store in a cool, dry, well-ventilated area away from direct sunlight and heat sources. Keep containers tightly closed and ground/bond when transferring material.

SECTION 8: Exposure Controls/Personal Protection

Exposure Limits:

Toluene: OSHA PEL - 200 ppm (TWA), ACGIH TLV - 20 ppm

Xylene: OSHA PEL - 100 ppm (TWA), ACGIH TLV - 100 ppm

Personal Protective Equipment (PPE):

Eye Protection: Wear safety glasses with side shields or goggles.

Skin Protection: Use chemical-resistant gloves and coveralls.

Respiratory Protection: Use an approved respirator with organic vapor cartridges if ventilation is inadequate.

General Hygiene Measures: Wash hands thoroughly after handling and before eating or drinking.

SECTION 9: Physical and Chemical Properties

Appearance: Clear, pale yellow liquid

Odor: Aromatic, hydrocarbon-like

Odor Threshold: Not available

pH: Not applicable

Melting Point: Not available

Boiling Point: ~110-140°C

Flash Point: <23°C (73.4°F)

Evaporation Rate: Moderate

Flammability: Highly flammable liquid and vapor

Upper/Lower Flammability Limits: Lower - 1.2%; Upper - 7%

Vapor Pressure: ~25 mmHg at 20°C

Vapor Density: Heavier than air (Air = 1)

Relative Density: 0.8 - 0.9

Solubility: Insoluble in water

Auto-ignition Temperature: ~500°C

Decomposition Temperature: Not available

Viscosity: Low viscosity liquid



SECTION 10: Stability and Reactivity

Reactivity: Stable under normal handling and storage conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: May form explosive mixtures with air.

Conditions to Avoid: Heat, sparks, open flames, and static discharge.

Incompatible Materials: Strong oxidizers and acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and potentially other toxic fumes.

SECTION 11: Toxicological Information

Acute Toxicity: Harmful if inhaled or ingested; may cause drowsiness, dizziness, or respiratory irritation.

Skin Corrosion/Irritation: Causes moderate skin irritation.

Serious Eye Damage/Irritation: Causes severe eye irritation.

Respiratory Sensitization: Prolonged inhalation may cause respiratory issues.

Carcinogenicity: Contains toluene, which may pose cancer risks with prolonged exposure.

Mutagenicity: No data available.

SECTION 12: Ecological Information

Ecotoxicity: Harmful to aquatic life with long-lasting effects.

Persistence and Degradability: Product components may persist in the environment.

Bioaccumulation Potential: Certain ingredients may bioaccumulate in aquatic organisms.

Mobility in Soil: May leach into groundwater.

SECTION 13: Disposal Considerations

Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Do not release into sewers or waterways. Combustion products should be handled as hazardous waste.

SECTION 14: Transport Information

UN Number: UN 1993

Proper Shipping Name: Flammable liquid, n.o.s. (contains toluene and petroleum distillates)

Hazard Class: 3

Packing Group: II

Environmental Hazards: Marine pollutant

SECTION 15: Regulatory Information

Regulatory Status: Complies with applicable local, national, and international regulations.

SECTION 16: Other Information

Be careful not to spill the additive on the car body:

When pouring the Petrotex fuel additive into the vehicle's tank, take the necessary precautions to avoid spilling the additive on the car body. If the solution comes into contact with the car body, promptly clean it with coconut oil.