

SAFETY DATA SHEET

Octane improver



SECTION 1. Product information

Product Name: Octane improver

Product Class: Automotive product

SECTION 2. Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
HYDROCARBON SOLVENT	8008-20-6	85-95
OCTANE IMPROVER CONCENTRATE	Mixture	5-15

Ingredient	OSHA TWA	ACGIH TWA	ACGIH STEL
HYDROCARBON SOLVENT	Not established	Not established	Not established
OCTANE IMPROVER CONCENTRATE	Not established	Not established	Not established

SECTION 3. Physical and Chemical Properties

Physical State: LIQUID

Appearance and Odor: CLEAR, RED, HYDROCARBON

Vapor Density (Air=1): HEAVIER THAN AIR

Specific Gravity (@ 20 °C): 0.818

Density: 6.81 lbs/gal

Boiling Range: 347-617 °F

Refractive Index (@ 25 °C): 1.4551

% Volatile: 99

Evaporation Rate: SLOWER THAN ETHER

Vapor Pressure (@ 68 °F): 100 mm/Hg (Major component)

SECTION 4. Fire-Fighting Measures

Flash Point: 100 °F

Flash Point Method: CC

LEL: 0.7 % v/v (Major component)

Flammability Classification: Class II

Extinguishing Media: Carbon dioxide, foam, dry chemicals.



Unusual Fire or Explosion Hazards: Combustible liquid. Can form combustible mixtures with air when heated.

Special Fire-Fighting Procedures: Do not release runoff from fire control methods to sewers or waterways. Wear self-contained breathing apparatus pressure demand, MSNA/OSHA (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

SECTION 5. Stability and Reactivity

Stability: Stable.

Polymerization: Hazardous polymerization will not occur.

Incompatibilities & Conditions to Avoid: Isolate from oxidizers, heat, sparks, electric equipment and open flame.

Hazardous Decomposition Products: Carbon monoxide and various hydrocarbons.

SECTION 6. Health Hazard Information

Potential Health Effects

Primary Entry Routes: Skin, dermal, inhalation and ingestion.

Target Organs: Eyes, skin, respiratory system, CNS.

Effects of Overexposure: May cause irritation to the eyes, skin, nose, throat and respiratory system. Nausea, headache, weakness, restless, incoordination, drowsiness, vomiting, diarrhea, and dermatitis. Harmful or fatal if swallowed.

Carcinogenicity: IARC, NTP, and OSHA do not list any component of this product as a carcinogen.

Chronic Effects: May affect central nervous system and lungs. Can cause nervous system depression.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Ingestion: GET MEDICAL ATTENTION IMMEDIATELY. Do not induce vomiting.

SECTION 7. Spill, Leak, and Disposal Procedures

Spill /Leak Procedures: Eliminate all sources of ignition. Stop spill at source. Wear appropriate personal protective equipment(Sec. 8). Contain the spill to facilitate clean up with absorbent. Use non-sparking tools and equipment. Transfer to disposal containers. Do not release into sewers or waterways.

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

SECTION 8. Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Respirator not required if airborne concentrations are below OSHA PELs (Sec. 2). If necessary, follow OSHA respirator regulations (29 CFR 1910.134) and wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills or storage tanks), wear an SCBA.

Protective Clothing/Equipment: Wear chemically protective gloves and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9. Special Precautions and Comments
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Handling Precautions: Avoid prolonged breathing of vapor and contact with eyes, skin, and clothing. Use in well ventilated area. Wash thoroughly after handling.

Storage Requirements: Keep away from heat, sparks and flame. Keep container closed when not in use.

California Proposition 65: This product contains the following chemicals known to the state of California to cause cancer and/or reproductive toxicity: None.

DOT Transportation Data (49 CFR 172.101):

<i>PART NUMBER(s)</i>	<i>SHIPPING NAME</i>	<i>HAZARD CLASS</i>	<i>ID NO.</i>	<i>PACKING GROUP</i>
1512, 1501	Consumer Commodity	ORM-D	N/A	N/A
1505	Petroleum Distillates, N.O.S.	3	UN	1268 III

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know-Act of 1986 & of 40CFR 372:

<i>Chemical Name</i>	<i>CAS Number</i>	<i>% wt.</i>
Methylcyclopentadienyl manganese tricarbonyl (Octane improver)	12108-13-3	<1

*****End of MSDS*****

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