

WARREN OIL COMPANY, INC.

MATERIAL SAFETY DATA SHEET

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Product: **AUTOGUARD OCTANE BOOSTER**

Section 1: Product Identification

Product Name: AUTOGUARD OCTANE BOOSTER STREET FORMULA 12 FL. OZ.
Item No.: 12002
Product Type: Fuel Additive

Section 2: Composition / Information on Ingredients

<u>CHEMICAL NAMES</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMITS</u>
Kerosene	8008-20-6	Not listed
Methylcyclopentadienyl Manganese Tricarbonyl	12108-13-3	0.2mg/M ³ PEL as Mn(OSHA)
Petroleum Distillate	64742-94-5	50mg/M ³ (OSHA)
Petroleum Distillate	64742-95-6	Not established by OSHA/ACGIH
Stoddard Solvent	8052-41-3	100 ppm TWA8 (OSHA/ACGIH)
Xylene (OSHA)	1330-20-7	100 ppm/150 ppm TWA8/STEL
1,3,5-trimethylbenzene	108-67-8	Not established by OSHA
1,2,4-trimethylbenzene	95-63-6	Not established by OSHA
Cumene (OSHA/ACGIH)	98-82-8	50 ppm TWA8, skin
Trimethylbenzene	25551-13-7	25 ppm TWA8 (OSHA/ACGIH)

Section 3: Hazards Identification

Toxicity: Excessive inhalation causes headache, dizziness, nausea, and incoordination. Exposure to vapors or mist may result in irritation of the respiratory tract. Harmful if swallowed. Aspiration hazard if swallowed. May cause eye and skin irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.

Signs & Symptoms of Exposure:

Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Overexposure may cause eye and skin redness.

Section 4: First Aid Measures

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes if skin irritation persists, call a physician. Discard contaminated shoes.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Section 5: Fire Fighting Measures

Flash Point (°F/C): 110 degrees F. Method: PMCC

Recommended Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.

Hazardous Products Formed by Fire or Thermal Decomposition: Oxides of nitrogen, Carbon Monoxide and Carbon Dioxide

Unusual Fire/Explosion Hazards: Exposure to temperatures over 120 degrees F. may cause bursting or venting. Keep container cool.

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

Section 6: Accidental Release Measures

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an absorbent. Store in a closed waste container until disposal.

Section 7: Handling and Storage

Storage Handling: Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not take internally. Do not use near heat, sparks or open flame. Keep container closed when not in use. Wash hands before eating or smoking.

Section 8: Exposure Controls / Personal Protection

Eyes: Safety glasses.

Skin: Neoprene or nitrile gloves recommended.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

Section 9: Physical and Chemical Properties

Appearance: Amber liquid
Odor: SOLVENT
Boiling Point (°F): 214-580°F
pH: Not applicable
Solubility in Water: Soluble
Specific Gravity: 0.82
VOC Content (Wt.%): >90% by weight
Vapor Pressure: Not Determined
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

Section 10: Stability and Reactivity

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: WILL NOT OCCUR
Incompatibilities: Acids, Strong oxidizers
Conditions to Avoid: Keep away from heat, sparks and open flame
Hazardous Products Formed by Fire Or Thermal Decomposition: Oxides of nitrogen, Carbon Monoxide and Carbon Dioxide

Section 11: Toxicological Information

See Section 3

Section 12: Ecological Information

No data available

Section 13: Disposal Considerations

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: D001 as per 40CFR 261.21

Section 14: Transportation Information

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: NONE
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity
Class or Division: Class 9
UN/NA Number: ID 8000

IMDG

Proper Shipping Name: Kerosene solution, Limited Quantity
Hazard Class: Class 3.3
UN Number: UN 1223

Section 15: Regulatory Information

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information: Xylene 1330-20-7<1%, 1, 2, 4-trimethylbenzene 95-63-64, 1%, Cumene 98-82-8<1%

CALIFORNIA PROP 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

Section 16: Other Information

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 2, REACTIVITY 0

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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