

AMSOIL Material Safety Data Sheet

Date Issued/Revised: December 9, 2004
Supersedes: November 12, 2004

Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc. Telephone:
925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300
Superior, WI 54880 Information: 715-392-7101

AMSOIL Product Code AOB
Product Label Name Octane Boost
Product Use Octane Booster

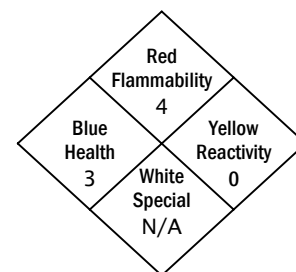
AMSOIL Canadian Product Code COB
AMSOIL Canadian Label Name Série 2000 Remonteur d'Octane

Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL CAS# 12108-13-3
OSHA PEL: 5mg/m³ as Mn
PETROLEUM BASE FLUIDS, CAS# Mixture, OSHA PEL: 500 ppm (mist)
STODDARD SOLVENT, CAS# 8052-41-3, OSHA PEL: 500 ppm
XYLENE CAS# 1330-20-7, OSHA PEL: 500 ppm
1,3,5 TRIMETHYLBENZENE, CAS# 108-87-5
1,2,4-TRIMETHYLBENZENE, CAS# 95-63-6
CUMENE, CAS# 98-82-8, OSHA PEL: 50 ppm (skin)
TRIMETHYLBENZENE, CAS# 25551-13-7
KEROSENE, CAS# 8008-20-6

NFPA & HMIS Rating



Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Eye, inhalation and skin irritant.

Section 4: First Aid Measures

EYE: Flush with water for 15-20 minutes. Seek medical attention if irritation develops.

SKIN: Wash immediately with soap and water. Remove contaminated clothing and launder before reuse. Discard shoes and leather articles saturated with the product. Obtain medical advice if irritation occurs.

INHALATION: Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. Get immediate medical attention.

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting does occur, keep head below hips to reduce risk of aspiration. Get immediate medical attention. **CAUTION: Harmful or Fatal if Swallowed**

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point 126°F(52°C)
Method TCC ASTM D-56
LFL/UFL Not Determined
Auto-ignition Temperature Not Determined

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, and alcohol foam.

Product Code: AOB, Octane Boost
Canadian Product Code: COB, Série 2000 Remonteur d'Octane

FIREFIGHTING EQUIPMENT: Full bunker gear recommended including a positive pressure self-contained breathing apparatus.

Section 6: Accidental Release Measures

Isolate spill area. Provide adequate ventilation. Wear appropriate personal protection. Recover free product for recycle and/or disposal. Add sand, earth or other suitable absorbent to spill area. Prevent entry into sewers and waterways. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulator Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spill.

Section 7: Handling and Storage

HANDLING: Do not puncture or incinerate can. Avoid contact with eyes, skin or clothing. Wash hands after handling. Empty container may retain product residue which may exhibit hazards of product.

STORAGE: Store and use in cool, dry, well-ventilated areas. Do not store above 120°F. Keep away from heat or flame.

Section 8: Exposure Controls/Personal Protection

VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

RESPIRATORY: Use a NIOSH approved respirator when necessary.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

EYE: Use splash goggles or face shield where splashing is expected or can occur.

EXPOSURE LIMITS: The Threshold Limit Value (TLV) of 5 mg/m³ is suggested for oil mist.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Boiling Point	>250°F(121°C)
Freezing/Melting Point	Not Applicable
Vapor Pressure	Not Determined
Vapor Density (Air=1)	Not Determined
Evaporation Rate	Not Determined
Solubility in Water	Negligible
Specific Gravity (Water=1)	0.92
Density, lb./gal	9.248
Volatility (Volume)	Unknown
VOC	Unknown
pH	Not Determined
Coefficient of Water/Oil Distribution	Not Determined
Odor	Aromatic, Hydrocarbon Odor
Odor Threshold	Not Determined
Appearance	Light Amber Colored Liquid
Viscosity, cSt @ 100°C	Not Applicable
Viscosity, cSt @ 40°C	Not Applicable
Viscosity Index	Not Applicable

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF PRODUCT: Toxic oxides of carbon, aldehydes and other products of incomplete combustion.

Section 11: Toxicological Information**ACUTE EXPOSURE**

- Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar material.
- Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.
- Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

CHRONIC EXPOSURE

- Chronic Toxicity: Chronic inhalation of MMT shows detectable effects on mice. Literature data indicates MMT causes cardiac stimulation in animals.
- Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.
- Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.
- Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.
- Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

ADDITIONAL INFORMATION

- Exposure Limits: Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

There are extensive toxicological data available on the various components of this product. An adequate representation of all these data is beyond the scope of this document. Please contact the AMSOIL Material Safety Data Sheet Coordinator for more detail.

Section 12: Ecological Information

No data available on the adverse effects of this product on the environment.

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

Section 15: Regulatory Information

U.S. Federal Regulations

OSHA Table ZSynthetic Base Stock (mist)
TSCA Ethylbenzene-Listed
CERCLA 40 CFR 302.4..... Xylene RQ=100 lb, Waste #U239
.....Ethylbenzene RQ=100 lb

SARA Title III

Section 302 Extremely Hazardous.....Not Applicable
Section 311/312
Fire Hazard Yes
Reactive Hazard..... No
Release of Pressure..... No
Acute Health Hazard..... Yes
Chronic Health Hazard..... No
Section 313 Toxic Chemical Xylene-Listed
..... Ethylbenzene-Listed

U.S. State Regulations

California (Prop 65)

Does not contain chemicals known to the state of California to cause cancer.

International Regulations

WHMISAll components listed

Section 16: Other Information

The information and recommendations contained herein are, to the best of AMSOIL's knowledge and belief, accurate and reliable as of the date issued. AMSOIL makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and AMSOIL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with AMSOIL's interpretation of the available data.