

**AIROSOL COMPANY, INC.**  
**MCKAY CHEMICALS** **MECHANICS BRAND**  
1101 Illinois, PO Box 120, Neodesha KS 66757 - Phone 620/325-2666

**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: OCTANE BOOSTER  
PRODUCT CODE: 50117MB

Hmis Codes: H F R P  
2 3 0 G

**SECTION I - MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME: Airosol Company, Inc.  
ADDRESS: PO Box 120, Neodesha KS 66757  
EMERGENCY PHONE: 1-800-535-5053  
INFORMATION PHONE: 1-800-633-9576  
DATE REVISED: 11/14/05, 3/26/2009

**SECTION I I- HAZARDOUS INGREDIENTS/SARA III INFORMATION**

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			
		TWA/PEL	ACGIH	TLV	MAX %
Methyl Alcohol*	67-56-1	200ppm		200ppm	95-100

**SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT: 148°F (64°C)      SPECIFIC GRAVITY: 0.788 @ 77°F  
VAPOR DENSITY: 1.105 (Air = 1)      EVAPORATION RATE: 2.1 (n-Butyl Acetate = 1)  
APPEARANCE AND ODOR: YELLOW liquid, alcohol odor      SOLUBILITY IN WATER: Soluble

**SECTION IV- FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 52°F      METHOD USED: PMCC  
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 6.0      UPPER: 36.0

EXTINGUISHING MEDIA: Water spray, dry chemical or alcohol foam.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Methanol burns with a clean clear flame which is almost invisible in daylight. Tert-Butyl Alcohol - extremely flammable vapors can be generated below normal ambient temperature by solid or liquid when mixed with air/exposed to ignition source. Heat/contamination can release extremely flammable Isobutylene Gas.

**SECTION V- REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: Presence of incompatible materials and ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID): Mineral acids, strong oxidizers, strong bases, strong dehydrating agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Formaldehyde, carbon monoxide and isobutylene gas.

HAZARDOUS POLYMERIZATION: Not expected to occur.

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### SECTION VI- HEALTH HAZARD DATA

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Prolonged overexposure may cause coughing, shortness of breath, dizziness, and intoxication.

**NATURE OF HAZARD:**

**EYES:** High vapor concentration or liquid contact causes irritation, tearing and burning.  
**INGESTION:** Swallowing even small amounts of methanol can cause blindness and death, other effects may be nausea, headache, abdominal pain, vomiting and visual disturbances ranging from blurred vision to light sensitivity.

**CARCINOGENICITY:** NTP? IARC? OSHA REGULATED?  
Presently not on any list

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NA

**EMERGENCY AND FIRST AID PROCEDURES:**

**DIGESTION:** If swallowed, dilute stomach contents by giving large amounts of water or milk and induce vomiting. Get medical attention immediately.

**INHALATION:** Remove patient to fresh air. Get medical attention immediately.

**SKIN AND EYE CONTACT:**

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Hold eyelids apart to ensure complete flushing. Do not attempt to neutralize with chemical agents. Get medical help immediately.

**SKIN:** Remove contaminated clothing and wash under shower for 15 minutes. Seek medical attention if irritation occurs.

### SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE LARGE AMOUNT OF MATERIAL IS RELEASED OR SPILLED:** Remove all sources of ignition, avoid breathing vapors and remove with inert absorbent. Dispose of as hazardous waste.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with federal, state, and local regulations regarding pollution.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Keep away from heat, sparks, or open flame.

**OTHER PRECAUTIONS:** NA.

### SECTION VIII- CONTROL MEASURES

**RESPIRATORY PROTECTION:** Usually not required if it is used as it is described on the label.

**VENTILATION:** Provide adequate ventilation to keep mist or vapors below allowable exposure levels.

**PROTECTIVE GLOVES:** For prolonged or repeated contact, wear gloves which are recommended by glove supplier for protection against materials in Section II.

**EYE PROTECTION:** Recommend safety glasses with unperforated sideshields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Long sleeves and long pants.

**WORK/HYGIENIC PRACTICES:** Wash hands thoroughly after use.

### SECTION IX- REGULATORY INFORMATION

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:**

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<b>SECTION IX REGULATORY INFORMATION (continued)</b>
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CHEMICAL	CAS NUMBER	CONCENTRATION %
Methanol	67-56-1	97

FEDERAL EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4.

CHEMICAL	CAS NUMBER	CONCENTRATION % UPPER BOUND	RQS IN #S
CALIFORNIA PROPOSITION 65: No			
MASSACHUSETTS RIGHT TO KNOW: Yes			
Methanol	67-56-1	97	
PENNSYLVANIA RIGHT TO KNOW: Yes			
Methanol	67-56-1	97	
NEW JERSEY RIGHT TO KNOW: Yes			
Methanol	67-56-1	97	
RHODE ISLAND RIGHT TO KNOW: Yes			
Methanol	67-56-1	97	

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

CALIFORNIA VOCS: N/A

NFPA RATING AS AN AEROSOL: N/A

HMIS: HEALTH 2 REACTIVITY 0 FLAMMABILITY 3

CARCINOGENICITY: CHEMICAL IARC NTP OSHA

None listed

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