

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

MATERIAL SAFETY DATA SHEET

EMERGENCY INFORMATION

MEDICAL: 1-800-633-9576

TRANSPORTATION: 1-800-535-5053

SECTION ONE

PRODUCT NAME: **McKAY ENGINE DEGREASER**

PRODUCT CODE: **50233**

ISSUE DATE: 11/14/05, 7/09/2008, Revised 3/26/2009

SECTION TWO-HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	EXPOSURE			%	CAS NO
	LIMITS	OSHA	ACGIH		
Propane		1000 PPM	NE	N/A	74-98-6
ISO-Butane		NE	NE	N/A	75-28-5
Sodium Dodecyl Benzene Sulfonate		NE	NE	N/A	25155-30-0
Aliphatic Glycol Ether		NE	NE	NE	20324-33-8
Water		NE	NE	NE	7732-18-5
Potassium Hydroxide		2MG/M3	2MG/M3	2MG/M3	1310-58-3
Isopropyl Alcohol		400ppm	400ppm	N/A	67-63-0
Mixed Terpene Alcohols and Hydrocarbon(2)		NE	NE	NE	8002-09-3

ABBREVIATIONS

NE: None Established NA: Not Applicable +: ACGIH N/D: Not Determined "STEL": Short Term Exposure Limit (2): Primarily Alpha-Terpineol

SECTION THREE- PHYSICAL DATA

BOILING POINT:(N/D) VAPOR PRESSURE (mmHg or psig @ 70°F): 50 PSIG VAPOR DENSITY (Air=1): heavier than
SPECIFIC GRAVITY (H₂O=1):.95-96 SOLUBILITY IN WATER % BY WT.: ~90% VOC CONTENT % BY WT.: ~20
EVAPORATION RATE (Butyl Acetate=1): Slower than
APPEARANCE AND ODOR: White foam, straw colored liquid, pine odor

SECTION FOUR - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/D FLAMMABLE LIMITS: UEL 9.5 % LEL 1.9 %

EXTINGUISHING MEDIUM: As appropriate for combustibles in area.

NOTE: AIRO/TUNE Foaming Engine Degreaser is non-flammable per the DOT flame extension test.

FIRE AND EXPLOSION HAZARD DATA

SPECIAL FIRE FIGHTING PROCEDURES: Although non-flammable, this product does contain a flammable propellant and firefighters should wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep containers cool with water spray; prevent rupture. Ventilate area. Evacuate all non-trained personnel. Wear full protective clothing including helmet. Contain spill and dike, if possible leaks and spills that have not ignited. Water spray can be used to disperse the flammable vapor and protect personnel attempting to stop the leak. Do not use direct stream of water because the flammable portion will float and can be reignited.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear SCBA'S in a positive pressure mode with full face shield. The flammable components are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition as vapor may ignite. Carbon oxides may be formed.

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SECTION FIVE- REACTIVITY DATA

STABILITY: Stable, avoid open flames and high temperatures (above 120°F) and direct sunlight.
INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may yield carbon monoxide and/or carbon dioxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION SIX - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Direct contact with the liquid or mists or overexposures to the vapor may be irritating causing tearing, stinging, redness, and swelling.
SKIN CONTACT: Repeated or prolonged contact may cause mild skin irritation resulting in redness, burning, drying and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.
SKIN ABSORPTION: Not likely when used as directed.
INGESTION: Not likely as an aerosol but ingestion of excessive quantities may cause irritation of the digestive tract.
INHALATION: Prolonged, repeated, or intentional abuse may be harmful or fatal. Effects of overexposure may include irritation of the nose and throat and signs of nervous system depression: headache, drowsiness, dizziness, loss of coordination and fatigue. Overexposure may cause respiratory symptoms associated with pre-existing lung disorders, asthma-like conditions, to be aggravated.
SYSTEMIC AND OTHER EFFECTS: None known
PRIMARY ROUTES OF ENTRY: Skin or eye contact

NOTE: When used as directed no adverse effects have been found in laboratory testing with humans.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: In case of contact, immediately flush eyes with large amounts of water, lifting upper and lower eyelids occasionally if irritation or other symptoms persist, call a physician.
SKIN CONTACT: In case of contact, wash with soap and water. If irritation occurs, call a physician. Wash clothing before reuse.
INHALATION: If affected, move person to non-contaminated fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately if symptoms persist.
INGESTION: Ingestion is not likely as an aerosol but, if ingested, do not induce vomiting. Give one to two glasses of water. Keep victim's head below hips or on left side with head down. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

SECTION SEVEN - ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO TAKE FOR SPILLS/LEAKS: Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. Contain spill and cover with inorganic absorbent material. Collect spilled material. Place into an approved DOT container for disposal. Clean up residue with water. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.
WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations. For large spills remove to a permitted disposal facility. For small spills, dry inorganic material on plastic in direct sunlight and landfill.

SECTION EIGHT - HANDLING AND STORAGE PRECAUTIONS

Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapor, mist or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not store in direct sun. Store containers below 120°F. Do not throw empty container into fire. Read label before using.

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SECTION NINE - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): If use conditions generate large amounts of vapors or mists, select one of the following NIOSH approved respirators based on airborne concentration of contaminants in accordance with OSHA regulations. Full-face organic vapor and acid gas respirator, full-face supplied air respirator or full-face pressure demand self contained breathing apparatus.

VENTILATION: Local mechanical exhaust ventilation capable of maintaining emissions at the point of use below the PEL/TLV.

PROTECTIVE GLOVES: Any lined non-permeable rubber gloves.

EYE PROTECTION: Chemical resistant safety glasses with protective side shields.

OTHER PROTECTIVE EQUIPMENT: Non-permeable clothing to protect all skin from liquid contact.

PREVENTION OF ACCIDENTAL INGESTION: Do not eat or drink around this product when using it. Wash exposed areas with soap and water when finished using.

SECTION TEN - REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

CHEMICAL	CAS NUMBER	CONCENTRATION %
None Listed		

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
Sodium Dodecyl Benzene Sulfonate	25155-30-0	2.0 maximum	1000	
Potassium Hydroxide	1310-58-3	2.0 maximum	1000	

CALIFORNIA PROPOSITION 65 None Listed

SARA HAZARD CATEGORIES: FIRE HAZARD: X SUDDEN RELEASE OF PRESSURE: X REACTIVE: X ACUTE: X
CHRONIC: X

MASSACHUSETTS RIGHT TO KNOW: YES

Sodium Dodecyl Benzene Sulfonate	25155-30-0	2.0%
Isopropyl Alcohol	67-63-0	<1.0%
ISO-Butane	75-28-5	4.0%
Propane	74-98-6	1.0%
Potassium Hydroxide	1310-58-3	2.0%

PENNSYLVANIA RIGHT TO KNOW: YES

Sodium Dodecyl Benzene Sulfonate	25155-30-0	2.0%
ISO-Butane	75-28-5	4.0%
Propane	74-98-6	1.0%
Potassium Hydroxide	1310-58-3	2.0%

NEW JERSEY RIGHT TO KNOW: YES

Sodium Dodecyl Benzene Sulfonate	25155-30-0	2.0%
Isopropyl Alcohol	67-63-0	<1.0%
ISO-Butane	65-28-5	5.0%
Propane	74-98-6	5.0%
Mixed Terpene Alcohols and Hydrocarbons	8002-09-3	20.0%
Potassium Hydroxide	1310-58-3	2.0%

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

CALIFORNIA VOC'S: 20%

NFPA RATING AS AN AEROSOL: Level Two

HMIS: Health 1 Reactivity 0 Flammability 2

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SECTION TEN - REGULATORY INFORMATION (continued)

CARCINOGENICITY	CHEMICAL	IARC	NTP	OSHA
NONE LISTED				

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