

AIROSOL COMPANY, INC.
MCKAY CHEMICALS **MECHANICS BRAND**
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SECTION ONE

PRODUCT NAME: **Mechanics Brand LOW ODOR LOW VOC NON-CHLORINATED BRAKE PARTS CLEANER**
PRODUCT CODE: **50279MB**
ISSUE DATE: 10/18/2007, Revised 3/26/2009

SECTION TWO

HAZARDOUS COMPONENTS

EXPOSURE LIMITS

	OSHA	ACGIH	OTHER	%	CAS NO
Heptane	400 ppm	400 ppm	85 ppm (1)	35-40	142-82-5
2- Propanone	750 ppm	750 ppm	1000 ppm (2)	50-55	67-64-1
Isopropanol	400 ppm	400 ppm	N/A	1-5	108-88-3
Carbon Dioxide	5000 ppm	5000 ppm	15000 ppm (2)	5-10	124-38-9

ABBREVIATIONS

NE: None established NA: Not applicable (1): NIOSH guidelines (2): OSHA "STEL" guidelines "STEL": Short term exposure limit N/D: Not determined

SECTION THREE - PHYSICAL DATA

BOILING POINT: N/D VAPOR PRESSURE (mmHg or psig @ 70°F): 110 psig
VAPOR DENSITY (AIR=1): Greater than SPECIFIC GRAVITY (H₂O=1): 0.73-0.75
SOLUBILITY IN WATER % BY WT.: approx. 55% EVAPORATION RATE (BUTYL ACETATE=1): Faster than
VOC CONTENT % BY WT.: 45 % APPEARANCE AND ODOR: Colorless liquid with a citrus odor

SECTION FOUR - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: <0°F FLAMMABLE LIMITS: UEL 12.8% LEL 1.2%
EXTINGUISHING MEDIUM: Dry chemical, alcohol foam or CO₂
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or 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 product will float and can be re-ignited on surface of water.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear SCBA'S in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling site. Eliminate all sources of ignition as vapor may ignite. Carbon oxides may be formed.

SECTION FIVE - REACTIVITY DATA

STABILITY: Stable, avoid open flames and high temperature (above 120°F) and direct sunlight.
INCOMPATIBILITY: Strong oxidizers, (such as; liquid chlorine, halogens, hydrogen peroxide, and oxygen), selected amines, strong acids (such as Nitric and Sulfuric), strong bases and molten sulfur.

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SECTION FIVE - REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides can form on incomplete combustion.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION SIX - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Moderate eye irritation: symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT: After prolonged or repeated contact, symptoms can include redness, swelling, blistering, itching, and dryness. May be absorbed through the skin in harmful amounts.

SKIN ABSORPTION: May be absorbed if prolonged and repeated contact occurs. Exposures may aggravate existing eye, skin, kidney and liver disorders.

INGESTION: Not likely as an aerosol but, if swallowed, it can be harmful or fatal. **ASPIRATION HAZARD.** May cause lung damage if swallowed. If swallowed this product may irritate the mouth throat and esophagus. It can be readily absorbed through the stomach and intestinal tract. Symptoms include burning sensation in the mouth, and esophagus, nausea, vomiting, dizziness, staggered gait, drowsiness, loss of consciousness and delirium.

INHALATION: Breathing high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. May cause nervous system damage with symptoms including nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness. Vapors may cause drowsiness and dizziness. Slightly irritating to the respiratory system. Intentionally concentrating and inhaling this product may cause death.

SYSTEMIC AND OTHER EFFECTS: None Known

REPRODUCTIVE/DEVELOPMENTAL TOXINS: None Known

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: In case of contact, immediately flush eyes with large amounts of water for 15 minutes lifting upper and lower eyelids. If irritation or other symptoms persist, call a physician.

SKIN CONTACT: In case of contact, immediately wash skin with large amounts of soap and water. Remove contaminated clothing. If irritation is severe, call a physician immediately. Wash clothing before reuse. Destroy or properly dispose of contaminated shoes.

INHALATION: If inhaled, move person to non-contaminated 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. Never give anything by mouth to an unconscious person. Call a physician immediately. Gastric lavage should be only considered by medical personnel following intubation with a cuffed endotracheal tube.

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. Cover with inorganic absorbent material. Collect spilled material. Clean up residue. Place in an approved DOT container for disposal. Refer other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

WASTE DISPOSAL METHOD: Reclaim by distillation if possible or remove to a permitted waste disposal facility in accordance with local, state and federal regulations.

REGULATORY INFORMATION: Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, from the container, the user should determine if release is reportable.

SARA HAZARD CLASS:

FIRE HAZARD: Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

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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 sunlight. Store containers below 120°F. Read label before using. Do not smoke when handling or using this product. Do not throw empty container into fires.

SECTION NINE - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Full-face organic vapor and acid gas respirator, full-face supplied air respirator, full-face pressure demand self-contained breathing apparatus.
PROTECTIVE GLOVES: Any lined non-permeable rubber gloves like buna or nitrile.
EYE PROTECTION: Wear unvented goggles during operations in which exposure is likely. Wear full face shield.
OTHER PROTECTIVE EQUIPMENT: Non-permeable clothing to protect all skin from liquid contact.
RECOMMENDED VENTILATION: Use with appropriate local exhaust ventilation. Provide appropriate local exhaust at transfer points. Provide appropriate local exhaust ventilation on open containers. If exhaust ventilation is not adequate, use appropriate respiratory protection.
PREVENTION OF ACCIDENTAL INGESTION: Do not eat or drink or wear facial cream when using this product. Do not swallow. Wash exposed areas thoroughly with soap and water.

SECTION TEN - REGULATORY INFORMATION

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

CHEMICAL	CAS NUMBER	CONCENTRATION %
2-Propanone	67-64-1	50-55

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
2-Propanone	67-64-1	50-55		5000

CALIFORNIA PROPOSITION 65: None Listed

MASSACHUSETTS RIGHT TO KNOW: YES, see below

PENNSYLVANIA RIGHT TO KNOW: YES, see below

NEW JERSEY RIGHT TO KNOW: YES

Heptane	142-82-5	35-40
Isopropanol	67-63-0	1-5
2-Propanone	67-64-1	50-55
Carbon Dioxide	124-38-9	5-10

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

CALIFORNIA VOC'S: N/A **Not For Sale in California**

NFPA RATING AS AN AEROSOL: Level 3

HMIS: Health 2 Reactivity 0 Flammability 3

CARCINOGENITY CHEMICAL IARC NTP OSHA

NONE LISTED

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