

**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: **Mechanics Brand Battery Terminal Protector**  
PRODUCT CODE: **50202 MB**  
ISSUE DATE: 10/29/2007, Revised 3/26/2009

**SECTION TWO - HAZARDOUS COMPONENTS**

	EXPOSURE LIMITS	OSHA	ACGIH	OTHER	%	CAS NO
2-Propanone		750 ppm	750 ppm	1000 ppm(2)	15-20	67-64-1
Toluene		100 ppm	100 ppm	100 ppm(1)	15-20	108-88-3
Xylene		100 ppm	100 ppm	N/A	10-15	1330-20-7
Light Aliphatic Solvent Naphtha		300 ppm	400 ppm	N/a	10-15	64742-89-8
Aliphatic Petroleum Distillate		10ppm	10ppm	N/A	5-10	64742-94-5
Propane		1000ppm	NE	N/A	10-15	74-98-6
Butane		800 ppm	800 pmm	N/A	10-15	106-97-8

**ABBREVIATIONS**

NE: None Established NA: Not Applicable (1): NIOSH Guidelines (2): OSHA "STEL" Guidelines (3): Manufacturer Recommendation" Short Term Exposure Limit ND: Not Determined

**SECTION THREE - PHYSICAL DATA**

BOILING POINT: ND VAPOR PRESSURE (mmHg or psig @ 70°F): 50 psig  
VAPOR DENSITY (AIR=1): Greater than SPECIFIC GRAVITY (H<sub>2</sub>O=1):0.73-0.75  
SOLUBILITY IN WATER % BY WT.: <40 VOC CONTENT % BY WT.: 75 %  
EVAPORATION RATE (BUTYL ACETATE=1): Faster than  
APPEARANCE AND ODOR: Red liquid with a sweet fragrance

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

FLASH POINT: <0°F FLAMMABLE LIMITS: UEL 12.8% LEL 1.0 %  
EXTINGUISHING MEDIUM: Dry chemical, alcohol foam or CO<sub>2</sub>  
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 reignited 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 form.

**SECTION FIVE - REACTIVITY DATA**

STABILITY: Stable, avoid open flames and high temperature (above 120°F) and direct sunlight.  
INCOMPATIBILITY: Strong oxidizers, selected amines, strong acids or bases.

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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:** Liquids and mists can severely irritate or damage the eyes and cause corneal burns. Vapors may cause eye irritation: Symptoms can include redness, swelling, pain, tearing, hazy vision, and possibly even blindness.

**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.

**INGESTION:** Not likely as an aerosol but, if swallowed, it can be harmful or fatal. Irritation of gastrointestinal tissues: symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces. Blood disorders: Symptoms can include a general feeling of unhealthiness, weakness, and fatigue. Heart effects: Can include arrhythmia, heart attack, and death. Kidney damage: Symptoms can include reduced urine volume, loss of appetite, weight gain, red urine, back pain, painful urination, and lethargy. Central nervous system effects: Symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma. Aspiration pneumonitis: Symptoms can include coughing, difficulty breathing, wheezing, pneumonia, and coughing up blood. Liver damage: Symptoms can include yellow skin, tenderness of abdomen, abdominal distension, lethargy, fever, and death.

**INHALATION:** May be harmful or fatal if inhaled. Blood disorders: Symptoms include a general feeling of unhealthiness, weakness and fatigue. Clotting disorders (increased blood clotting time): Symptoms can include bruising easily and bleeding which takes a long period to stop. Gastrointestinal disturbance: Symptoms can include nausea, vomiting, and diarrhea. Cardiac sensitization: Sudden heart stoppage due to a reflex effect on the nerves which control the heart. This effect usually occurs only after inhalation of concentrated vapors such as intentional abusive sniffing of certain solvents and propellants. Heart effects: Symptoms can include arrhythmia, heart attack, and death. Nervous systems effects: Symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss, and coma. Peripheral neuropathy: symptoms can include tingling of extremities, incoordination, sensory losses, weakness, tremors, and emotional changes. Chemical pneumonitis: Inhalation of liquid or vapors can result in symptoms of coughing, difficulty breathing, wheezing, pneumonia, and coughing up blood. Respiratory system irritation: Symptoms can include coughing, congestion, irritation of throat, tightness of chest, wheezing, and difficulty breathing. Lung damage: Symptoms can include coughing, difficulty breathing, wheezing tightness in chest, congestion, and coughing up blood. Pulmonary edema: Symptoms can include coughing, difficulty breathing, fluid in lungs, unconsciousness, and even death.

**SYSTEMIC AND OTHER EFFECTS:** Human health effects of overexposure by inhalation, ingestion, or skin or eye contact may include nonspecific discomfort such as nausea, headache, or weakness. Temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness or blindness. Reproductive/Developmental Toxins: Toluene is not classifiable as to its ability to cause reproductive health effects in humans. Mutagenicity: Toluene, a component of this product, can cause irreversible changes in the genetic material of a cell based on results of tests in workers exposed to "high" concentrations.

#### SECTION SIX - HEALTH HAZARD DATA

##### EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** In case of contact, immediately flush eyes with large amounts of water. If irritation or other symptoms persist, call a physician.

**SKIN CONTACT:** In case of contact, immediately flush skin with large amounts of 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 respirator. If breathing is difficult, give oxygen. Call a physician immediately if symptoms persist.

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**SECTION SIX - HEALTH HAZARD DATA (continued)**

**INGESTION:** Ingestion is not likely as an aerosol but, if ingested, do not induce vomiting. Give one to two glasses of water. 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 to 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. U.S. EPA Hazardous Waste number for liquid concentrate is D001.  
**ENVIRONMENTAL DATA:** No data available.  
**SARA HAZARD CLASS:**  
**FIRE HAZARD:** Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

**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 or mist. Do not store or transfer to an unmarked container. 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 cut on empty containers as they may contain vapors that are flammable.

**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.

**SECTION NINE - SPECIAL PROTECTION INFORMATION**

**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
Toluene	108-88-3	15-20
Xylene	1330-20-7	10-15

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**SECTION TEN - REGULATORY INFORMATION (continued)**

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 #
Toluene	108-88-3	15-20	1,000
Acetone	67-64-1	15-20	5,000
Xylene	1330-20-7	10-15	1,000

CALIFORNIA PROPOSITION 65 Yes

Toluene	108-88-3	15-20
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MASSACHUSETTS RIGHT TO KNOW: YES

PENNSYLVANIA RIGHT TO KNOW: YES

NEW JERSEY RIGHT TO KNOW: YES

Toluene	108-88-3	15-20
Xylene	1330-20-7	10-15
Acetone	67-64-1	15-20
Propane	74-98-6	10-15
Butane	106-97-8	10-15
Naphthalene	91-20-3	>3.0

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

CALIFORNIA VOC'S: 75%

NFPA RATING AS AN AEROSOL: LEVEL 3

HMIS: HEALTH 2 REACTIVITY 0 FLAMMABILITY 4

CARCINOGENITY CHEMICAL IARC NTP OSHA

NONE LISTED

**WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

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