

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 White Lithium Grease**

PRODUCT CODE: **50435MB**

ISSUE DATE: **3/1/2005, Revised 3/26/2009**

SECTION TWO- HAZARDOUS COMPONENTS

HAZARDOUS COMPONENTS	OSHA PEL	EXPOSURE LIMITS		CAS NO
		ACGIH	%	
Heptane	400 ppm	400 ppm	35-40	142-82-5
Severely Hydrotreated Heavy Naphthenic Petroleum Distillates	5 mg/m3	5 mg/m3	15-25	64742-52-5
Heavy Parafinic Solvent De-waxed Petroleum Distillates	5 mg/m3	5 mg/m3	15-25	64742-65-0
Hydrotreated Petroleum Residual Oils	5 mg/m3	5 mg/m3	1-15	64742-57-0
Propane	1000 ppm	NE	10-20	74-98-6

Abbreviations

NE: None established N/A: Not applicable *: ACGIH "STEL" Guidelines ND: Not Determined STEL: Short Term Exposure Limits

SECTION THREE- PHYSICAL DATA

BOILING POINT: ND

VAPOR DENSITY (AIR=1): Heavier than

SOLUBILITY IN WATER % BY WT.: Negligible

EVAPORATION RATE (Butyl Acetate = 1): Slower than

APPEARANCE AND ODOR: White liquid with a petroleum odor.

VAPOR PRESSURE (mmHg or psig @ 70F): 40 psig

SPECIFIC GRAVITY (H₂O=1): 0.75-0.80

VOC CONTENT % BY WT.: 50%

SECTION FOUR- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Determined **FLAMMABLE LIMITS:** UEL 9.5 % LEL 1.2 %

EXTINGUISHING MEDIUM: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

FIRE AND EXPLOSION HAZARD DATA

SPECIAL FIREFIGHTING 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 water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

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 from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

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SECTION FIVE - REACTIVITY DATA

STABILITY: Stable, avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and direct sunlight.

INCOMPATIBILITY: Avoid contact with strong acids, alkalies, and strong oxidizers such as liquid chlorine, other halogens, hydrogen peroxide, and oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION SIX- HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE

EYE CONTACT: Considered as an eye irritant. May cause stinging, watering, swelling, and redness. Vapors may irritate eyes. Slight corneal injury could occur.

SKIN CONTACT: Prolonged or repeated exposure may cause severe skin irritation. Repeated contact may cause drying and flaking of skin. May cause allergic skin reaction in susceptible individuals. Chronic symptoms may include dryness, swelling, scaling, blistering, cracking, and severe tissue damage.

SKIN ABSORPTION: A single prolonged skin exposure is not likely to result in harmful amounts, but this product may be readily absorbed through the skin and produce CNS depression.

INGESTION: ASPIRATION HAZARD. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal. If aspirated, it may be rapidly absorbed through the lungs and result in injury to other body systems. May cause weakness and gastrointestinal tract irritation. May irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed through the stomach and intestinal tract. Symptoms include a burning sensation of the mouth, and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness and delirium. Additional central nervous system effects may occur prior to the onset of convulsions, coma and death.

INHALATION: Breathing high concentrations of vapor may cause respiratory irritation, euphoria, excitation, or giddiness, headache, nausea, vomiting, abdominal pain, loss of appetite, fatigue, muscular weakness, staggering gait, and CNS depression, (which includes dizziness, drowsiness, disorientation, vertigo, memory loss, visual disturbances, difficulty with breathing, convulsions, unconsciousness, paralysis, coma, and even death). Irritation may occur to the mucous membranes of the respiratory tract. A loss of appetite, lassitude, light-headedness, incoordination, respiratory arrest, convulsions, semi-consciousness may result from extreme exposure.

SYSTEMIC AND OTHER EFFECTS:

HUMAN SYSTEMIC EFFECTS BY INGESTION AND INHALATION: None known.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with large amounts of water, occasionally lifting upper and lower eyelids. Get medical attention.

SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

INHALATION: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.

INGESTION: Ingestion is not considered a potential route of exposure as an aerosol but, if swallowed, **do not induce vomiting**. If spontaneous vomiting is about to occur, place victims head between their knees to prevent aspiration. Call a physician or transport to an emergency facility.

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. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

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SECTION SEVEN-ENVIRONMENTAL AND DISPOSAL INFORMATION (continued)

WASTE DISPOSAL METHOD: When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

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. Read label before using.

SECTION NINE - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.
VENTILATION: Control airborne concentrations below the exposure limits in section two. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.
PROTECTIVE GLOVES: For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.
EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)
OTHER PROTECTIVE EQUIPMENT: To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

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 #
None listed			

CALIFORNIA PROPOSITION 65 None listed

MASSACHUSETTS RIGHT TO KNOW: Yes

Heptane	142-82-5	35-40
Propane	74-98-6	10-20

PENNSYLVANIA RIGHT TO KNOW: Yes

Heptane	142-82-5	35-40
Propane	74-98-6	10-20

NEW JERSEY RIGHT TO KNOW: Yes

Heptane	142-82-5	35-40
Propane	74-98-6	10-20

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SECTION TEN - REGULATORY INFORMATION (continued)

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

CALIFORNIA VOC'S: 50 %

NFPA RATING AS AN AEROSOL: Level Three

HMIS: Health 1 Reactivity 0 Flammability 4

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