

MATERIAL SAFETY DATA SHEET

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Revised 10/12/99  
Replaces 9/08/98

MSDS ID: 170950  
LITHIUM EP GREASE - PM 210/215B  
BOSTIK INC.

SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS NUMBER: 170950  
PRODUCT NAME: LITHIUM EP GREASE - PM 210/215B  
CHEMICAL FAMILY: Anti-Sieze Compound/Lubricant

COMPANY:  
Bostik Inc.  
211 Boston St.  
Middleton, MA 01949

EMERGENCY RESPONSE NUMBERS:  
Transportation:  
In case of emergency, Call:  
800-227-0332  
Product Safety and Environmental:  
978-777-0100

SECTION 2- INGREDIENT AND EXPOSURE LIMIT INFORMATION

COMPONENT	CAS NUMBER	WT PERCENT*	OEL**	OSHA PEL
No OSHA reportable components.				

\* If the total percentage is less than 100, the balance of this product is not considered to be hazardous as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

\*\* The Bostik recommended Occupational Exposure Limit (OEL) value represents the lower of the US OSHA PEL, ACGIH TLV, or Manufacturer's Recommended Limit.

N/A = Not Available, N/D = Not Determined

SECTION 3- HAZARDS IDENTIFICATION

POTENTIAL HEALTH CONSIDERATIONS

HMIS HAZARD RATING  
Health: 0  
Flammability: 1  
Reactivity: 0  
Protection: B

Note: Numeric Hazard Ratings are intended only to indicate the relative hazard of the product. Users must read and understand the entire Material Safety Data Sheet prior to use of this product.

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASS --  
Class D2B - Other Toxic Effects, Potential Skin and Eye Irritant.

LIKELY ROUTES OF ENTRY  
Contact, inhalation.

TARGET ORGANS  
Eyes, Skin.

POTENTIAL IMMEDIATE EFFECTS FROM OVEREXPOSURE

CONTACT, SKIN and EYE  
May cause skin and eye irritation.

SKIN ABSORPTION  
No hazard known at this time.

INHALATION  
Product is non-volatile. However, if heated may be irritating to upper respiratory system.

INGESTION  
Harmful if ingested. May cause gastrointestinal tract discomfort or damage.

POTENTIAL LONG-TERM EFFECTS FROM OVEREXPOSURE:

CANCER INFORMATION  
None of the ingredients in this product exceeding 0.1% are on the IARC, NTP, or OSHA lists of carcinogenic hazards.

CHRONIC EFFECTS  
Long-term overexposure to the hazardous materials in this product may lead to dryness and cracking of skin or dermatitis.

SYMPTOMS OF OVEREXPOSURE  
Irritation, dry throat, mucous membrane irritation, weakness, coughing, headache, dizziness, nausea, vomiting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
Dermatitis.

NOTES TO MD AND OTHER HEALTH RELATED INFORMATION  
Treat symptomatically and supportively. Contact Bostik to determine whether any additional information is available.

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SECTION 4- FIRST AID MEASURES  
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CONTACT, SKIN AND EYE  
EYES: IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention.

SKIN: Remove contaminated clothing. Wash contaminated skin with large amounts of soap and water. Seek medical attention if irritation, rash or other symptoms develop.

INHALATION  
Remove victim to fresh air. Begin rescue breathing if breathing has stopped. Transfer to a medical facility.

INGESTION

DO NOT INDUCE VOMITING. IMMEDIATELY call a hospital or poison control center. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical. If the victim is convulsing or unconscious DO NOT give anything by mouth, ensure that the victim's airway is open and lay victim on his/her side with the head lower than the body. Seek medical attention.

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SECTION 5- FIRE FIGHTING MEASURES

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FLAMMABILITY DATA

FLASH POINT Deg F: 450 (lowest oil)  
Deg C: 232 (lowest oil)  
LOWER EXPLOSIVE LIMIT %: N/A  
UPPER EXPLOSIVE LIMIT %: N/A  
AUTOIGNITION POINT Deg F: N/A  
Deg C: N/A

FIRE AND EXPLOSION HAZARDS:  
Product may burn and produce toxic gases in a fire.

DUST EXPLOSION HAZARD:  
No hazard known to Bostik.

SENSITIVITY TO MECHANICAL IMPACT:  
No hazard known to Bostik.

SENSITIVITY TO STATIC DISCHARGE:  
No hazard known to Bostik.

EXTINGUISHING MEDIA:  
Use water spray, foam, dry chemical or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS:  
Hazardous gases produced in a fire may include carbon monoxide and dioxide.

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SECTION 6- ACCIDENTAL RELEASE MEASURES

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SPILL CLEAN-UP PROCEDURES  
Scrape up grease and deposit into containers for disposal.

HEALTH CONSIDERATIONS AND PROTECTIVE EQUIPMENT  
Follow the guidelines of 29CFR 1910.120 for dealing with a spill of any size. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill, including the material spilled, the quantity of the spill and the area in which the spill occurred.

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SECTION 7- HANDLING AND STORAGE

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HANDLING AND STORAGE PRECAUTIONS

Store in a cool, dry area out of direct sunlight.

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SECTION 8- EXPOSURE CONTROLS AND PERSONAL PROTECTION  
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VENTILATION CONTROLS  
Not normally required.

RESPIRATORY PROTECTION  
Not normally required.

EYE PROTECTION  
Safety glasses are recommended.

SKIN PROTECTION  
Wear appropriate clothing to minimize skin contact with this product.

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SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES  
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APPEARANCE: A colored paste with a greaselike odor.  
SPECIFIC GRAVITY: 0.90 (Water = 1)  
DENSITY: 7.51 lbs/gal  
SOLUBILITY IN WATER: 0.1 %  
PERCENT VOLATILE (WEIGHT): 0.00  
VOLATILE ORGANIC COMPOUND: None  
VAPOR PRESSURE: N/D  
PH: N/D  
BOILING POINT: N/D  
VAPOR DENSITY: N/D  
EVAPORATION RATE: N/D  
FREEZING POINT: 350 deg F (177 deg C)  
ODOR THRESHOLD: N/D  
OCTANOL/WATER COEFFICIENT: N/D

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SECTION 10- STABILITY AND REACTIVITY  
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STABILITY  
Product is stable under normal temperature and pressure.

HAZARDOUS POLYMERIZATION  
Will not occur.

CONDITIONS TO AVOID  
Avoid contact with Strong Oxidizers and Strong Acids.

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SECTION 11- TOXICOLOGICAL INFORMATION  
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ACUTE (SHORT TERM) TOXICITY

Component	LD50, Oral	LD50, Dermal	LC50, Inhalation
No OSHA reportable components.			

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CHRONIC (LONG TERM) TOXICITY AND OTHER INFORMATION  
Chronic overexposure to the hazardous materials in this product has  
been associated with dermatitis.

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SECTION 12- ECOLOGICAL INFORMATION  
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No data available.

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SECTION 13- DISPOSAL CONSIDERATIONS  
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Dispose of in accordance with all Federal, State, and Local rules.  
Be aware that State and Local requirements may differ widely depending  
on location and may in many cases be different from Federal rules.

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SECTION 14- TRANSPORT INFORMATION  
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DOT/TDG/IATA/IMDG PROPER SHIPPING NAME  
Not regulated as a hazardous material.

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SECTION 15- REGULATORY INFORMATION  
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SARA TITLE III -- THE FOLLOWING COMPONENTS ARE LISTED UNDER SECTION 313:  
No Components Listed.

CALIFORNIA PROPOSITION 65 --  
CHEMICALS SHOWN BELOW WHICH ARE NOT LISTED IN SECTION II ARE PRESENT AT  
TRACE LEVELS BELOW THOSE CONSIDERED HAZARDOUS BY OSHA.

CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:  
No Components Listed.

CHEMICALS KNOWN TO THE STATE OF CALIFORNIA AS DEVELOPMENTAL HAZARDS:  
No Components Listed.

CHEMICALS KNOWN TO THE STATE OF CALIFORNIA AS MALE REPRODUCTIVE HAZARDS:  
No Components Listed.

CHEMICALS KNOWN TO THE STATE OF CALIFORNIA AS FEMALE REPRODUCTIVE HAZARDS:  
No Components Listed.

TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY STATUS --  
All the components of this product are either listed on the TSCA Chemical  
Substance Inventory or are exempted from listing.

CANADIAN DOMESTIC SUBSTANCE LIST STATUS --  
All components of this product are listed in either the Canadian Domestic  
Substances List (DSL) or Non-domestic Substances List (NDSL).

EUROPEAN UNION EINECS LIST STATUS --  
EINECS Status Not Determined.

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SECTION 16- OTHER INFORMATION  
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PREPARED BY: Michael S. Fine

IMPORTANT NOTICE: All statements, technical information and recommendations set forth herein are based on information or tests which BOSTIK believes to be reliable. However, BOSTIK cannot guarantee their accuracy or completeness. The buyer should conduct his own tests of this product before use to determine proper preparation technique and suitability for the proposed application. BOSTIK's sale of this product is limited to the terms and conditions set forth on BOSTIK's order acknowledgement.

To summarize, BOSTIK's only warranty is that the product conforms with its written specifications, and is free from defects under normal usage; and BOSTIK's only obligation for non-compliance with this warranty is to replace the product or refund the buyer's purchase price. BOSTIK DISCLAIMS THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In no case will BOSTIK be liable for direct, consequential, economic or other damage except for the replacement or refund as set forth above.