

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	PREMALUBE XTREME HEAT SHIELD
Manufacturer's Product Code:	323J
Other Names:	Calcium complex/hydrocarbon blend grease.
Major Recommended Uses:	As a grease lubricant for extreme heat and heavy load applications.
Supplier's Details:	Lubemaster 7 Ralph Street, Alexandria Sydney NSW 2015
Telephone Number (Office Hours):	(02) 9669 0261
Fax Number:	(02) 9693 1562
Emergency Telephone Number:	(02) 9214 0755
Date of Issue:	February 2010

### SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:	Classified as hazardous according to the criteria of NOHSC.
Dangerous Goods Class & Sub-risk:	None allocated.
Poisons Schedule:	SCHEDULE 5
Risk Phrases:	-
Safety Phrases:	Keep out of reach of children In case of accidents or if you feel unwell, seek medical advice immediately (show the label if possible).

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Not	Proportion
Graphite (respirable dust) [- all forms except fibres]* 'INGREDIENTS DETERMINED NOT TO BE HAZARDOUS'	7782-42-5	<10% to 100%
* Listed in the Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]		

NOTE: Substances listed in the Adopted National Exposure Standards are classified as hazardous according to the ASCC criteria but this hazard is concerned with ATMOSPHERIC contamination. That is, a solid or liquid substance does not necessarily present a hazard because of its listing in the Adopted National Exposure Standards. These standards for occupational exposure are concerned with concentrations of substances in the atmosphere of gases, vapours, fumes, mists, aerosols and the like. However, processing (accidental or intentional) of such solids or liquids in the occupational environment may release atmospheric hazards. Chronic graphite dust can cause a particular form of pneumoconiosis - graphite pneumoconiosis - that resembles coal workers' pneumoconiosis. Respirable particles of graphite are retained in the lungs and bronchi. Most of the recorded cases of graphite pneumoconiosis have involved mixed exposures to graphite AND silica, and have occurred mainly in graphite miners and electroplaters.

### SECTION 4 – FIRST AID MEASURES

Skin:	Wipe away material with a cloth. Wash affected areas with soap and running water. Seek medical attention if irritation develops. Clean contaminated clothing and shoes.
Eye:	Immediately rinse eyes with water. Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15-minutes. Get immediate medical attention if irritation develops.
Inhalation:	Not normally a hazard. Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion:	If swallowed do not induce vomiting. Give water. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.
First Aid Facilities:	General eye wash station.
Advice to Doctor:	There is no specific antidote. Treat the patient symptomatically.
Additional Information:	Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema, dermatitis, and pre-existing haematologic conditions.
Target organs:	Central nervous system and blood forming organs. The primary route of entry into the body is absorption. The primary routes of exposure are skin and eye contact.

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### SECTION 5 – FIRE FIGHTING MEASURES

<b>PREMALUBE XTREME HEATSHIELD is non-flammable.</b>	
Suitable Extinguishing Media:	In the event of a fire, foam, water spray, dry chemical and CO2 are the recommended extinguishing agents. Extinguishing media should be chosen based on the nature of the surrounding fire. The use of water spray (fog), whilst effective, may cause frothing and foaming. Never use a water jet as this will just spread the fire. Use care as spills may be slippery.
Special Protective Equipment and Precautions for Fire Fighters:	Fire fighters should wear self-contained breathing apparatus and full protective gear.
Fire/Explosive Hazards:	Cool fire-exposed containers with water spray to prevent bursting.
Hazchem Code:	None allocated.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Spills may be slippery.</b>	
Methods and Materials for Containment and Clean Up:	Wear appropriate protective clothing, and take care as spills may be slippery. Shut off source of the leak. For large spills, scoop into a properly labelled container for disposal or re-use. For small spills, wipe with a cloth and transfer all materials into a properly labelled container for disposal. Dispose of waste in a closed, labelled container in accordance with local, state and Commonwealth laws. Prevent entry into waterways. Avoid contact with eyes and skin.

### SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling:	Observe precautions stated on product label, and follow industry safety regulations. Smoking, eating and drinking should be prohibited in work areas where hydrocarbons are present. Always wash hands before eating after contact with product. Use with caution around heat, sparks, pilot lights, static electricity and open flame.
Conditions for Safe Storage:	Store in a cool, dry, well-ventilated area away from heat sources. Always store in the closed original container. Store below 49°C.
Cartridge Storage:	For maximum product life, store indoors or in a cool, dry area. Always store in an upright position to prevent oils from leaking out of the cartridge.
Bulk Storage:	For maximum product life, store indoors. If storing outdoors, store containers on their side to help prevent water accumulation on a flat end and consequent product contamination.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	Not established for mixture. The ASCC exposure recommendation for respirable graphite dust is TWA 3mg/m3. Keep mineral oil mist concentration below ASCC limit of 5mg/m <sup>3</sup> (TWA). Engineering Controls: General ventilation is normally adequate. Local ventilation is recommended to control exposure from operations in areas that allow the build-up of vapours or if misting is a problem.
Personal Protective Equipment	
Eye/Face Protection:	Chemical goggles or safety glasses with side shields should be worn if eye contact is likely. AS1336 and AS/NZS1337 should be consulted for information on eye protection.
Skin Protection:	Neoprene or nitrile rubber gloves should be worn along with general duty protective work clothing and shoes when handling this product. Refer to AS/NZS 2161 for information on glove selection.
Respiratory Protection:	None is required under normal conditions of use. If exposure concentrations do exceed recommended limits, an approved organic vapour respirator meeting the requirements outlined in AS/NZS 1715 and AS/NZS 1716 should be used.

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	A black, opaque grease with oily odour.
pH:	Not applicable.
Vapour Pressure :	0.01 mm Hg
Vapour Density (Air = 1) :	>5
Boiling Point :	>315°C
Solubility in Water (g/L) :	Negligible
Specific Gravity :	1.02
Flashpoint :	260°C
Flashpoint Method :	Cleveland Open Cup
Flammability Limits (%) :	Not applicable
Evaporation rate :	<0.01 (BU A/C = 1)
Volatility by volume :	2

### SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerisation:	Will not occur.
Conditions/Materials to Avoid:	Strong oxidising agents such as chlorine bleach and concentrated hydrogen peroxide; reducing agents such as sodium thiosulphate, acids and bases; potassium nitrate; clay, bentonite or polyurea greases.
Hazardous Decomposition Products:	Oxides of carbon, nitrogen, sulphur, phosphorous, and calcium; aldehydes; hydrogen sulphide; smoke.

### SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects	
Acute - Swallowed:	May cause irritation with possible nausea, vomiting and diarrhoea.
Acute - Eye:	May cause irritation seen as stinging, tearing, redness and a burning sensation.
Acute - Skin:	May cause irritation seen as itching and redness.
Acute - Inhaled:	Not a hazard with normal use. Inhaling excessive amounts of heated vapours or mist may cause respiratory irritation seen as coughing and sneezing.
Chronic:	Prolonged or repeated contact, as from clothing wet with material, may cause drying, defatting, and cracking of the skin. May cause allergic skin reactions seen as a delayed skin rash that can be followed by blistering, scaling, and other skin effects in sensitive individuals.
Target Organs:	Central nervous system and blood forming organs.

### Product Contains Chemicals Listed as Carcinogens or Potential Carcinogens by:

International Agency for the Research of Cancer (IARC):	NO
Other:	NO

### SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen.

Persistence/Degradability:	Not readily biodegradable; slowly biodegradable in aerobic conditions.
Mobility:	Non-volatile. Insoluble in water.

### SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste in a closed, labelled container in accordance with local, state & Federal law.

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### SECTION 14 – TRANSPORT INFORMATION

UN Number:	None allocated.
UN Proper Shipping Name:	-
Transport Hazard Class:	Non allocated.
Packaging Group:	None allocated.
Hazchem Code:	None allocated.

### SECTION 15 - REGULATORY INFORMATION

Poisons Schedule: SCHEDULE 5

### SECTION 16 – OTHER INFORMATION

Feb 2008 - Updated all sections from Section 2 Section 11, in line with currently available raw material information. Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. NCH AUSTRALIA PTY LTD assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must

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