MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: THREAD-EZE ULTRA

Manufacturer's Product Code: 5913

Other Names: High pressure, high temperature anti-seize compound.

Major Recommended Uses: As a high temperature, high pressure anti-seize and lubricating compound.

Supplier's Details: Chemsearch Australia
5 Ralph Street, Alexandria
Sydney NSW 2015
Telephone Number (Office Hours): (02) 9669 0260
Fax Number: (02) 9693 1562
Emergency Telephone Number: (02) 9214 0755

Date of Issue: Feb 2010

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SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to the criteria of ASCC.

Dangerous Goods Class & Sub-risk: None allocated.

Poisons Schedule: None allocated

Risk Phrases: None.

Safety Phrases: Keep out of Reach of Children.

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	**CAS No**	**Proportion**
'Ingredients determined not to be hazardous'		to 100%

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SECTION 4 – FIRST AID MEASURES

Skin: Wipe away material with a cloth, and wash with soap and water. Not usually a hazard, but seek medical attention if irritation develops.

Eye: Rinse the eyes with water. Remove any contact lenses and continue flushing with plenty of water for several minutes. Seek medical attention if irritation develops.

Inhalation: Not usually a hazard. Remove victim to fresh air and seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Give water if swallowed, but do not induce vomiting. Give water again if vomiting occurs. Seek medical attention if discomfort occurs.

First Aid Facilities: An eye wash station and general washroom facilities should be available for easy rinsing if eye contact occurs.

Advice to Doctor: Symptoms resulting from inhalation overexposure usually disappear within 24-hours. Symptomatic treatment, such as bed rest and possibly aspirin is recommended to provide relief from fever and chills.

Additional Information: Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. Target organs: Central nervous system, lungs and kidneys. The primary route of entry into the body is via inhalation. The primary routes of exposure are skin and eye contact.

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SECTION 5 – FIRE FIGHTING MEASURES

Product is non-flammable.
Suitable Extinguishing Media: Use foam, dry chemical, CO_2 or water spray to extinguish fire. Extinguishing media should be chosen based on the nature of the surrounding fire.

Special Protective Equipment and Precautions for Fire Fighters: Fire fighters should wear self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

Fire/Explosive Hazards: Spills may be slippery. The use of water spray (fog) whilst effective, may cause frothing and foaming. Don't use a water jet as this will just spread the fire. Hazardous decomposition products include oxides of carbon and zinc, and hydrocarbons upon thermal decomposition.

Hazchem Code: None allocated.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills may be slippery. Wear appropriate protective clothing as required.
Methods and Materials for Containment and Clean Up:
Due to the nature of the packaging and the solid paste form of the product, a large spill is unlikely. For small spills, wipe with a cloth and transfer material into a properly labelled container for disposal. For larger spills, scoop up material into container. Dispose of in the labelled containers in accordance with all federal, state, and local regulations. Area and residue can be flushed with water. No neutralising agent is required. Uncontaminated spilled material may be re-used. Prevent spilt product from contaminating soil or entering sewerage and drainage systems and bodies of water.

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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Observe precautions stated on product label, and follow industry safety regulations.

Conditions for Safe Storage: Store material indoors in its original, closed container when not in use. Store at temperatures under 49°C. Keep product from freezing. Do not pressurise, cut, weld, solder, drill, grind, or expose empty containers to heat, hot surfaces, sparks, or open flames.

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: None established for this product. The generic ASCC recommended exposure standard for mineral oil mist is TWA 5mg/m^3.

Engineering Controls: General ventilation is usually adequate. Local ventilation is recommended to control exposure from operations that generate levels of oil mist in excess of the ASCC exposure recommendation.

Personal Protective Equipment:
Eye/Face Protection: Whilst none is required under normal conditions of use, safety glasses should be worn if the method of application presents the likelihood of eye contact. AS1336 and AS/NZS1337 should be consulted for information on eye protection.

Skin Protection: Neoprene or nitrile rubber gloves if repeated or prolonged skin contact is likely. Wear general-duty work clothes and enclosed shoes. Refer to AS/NZS 2161 for information on glove selection and AS/NZS 2210 for advice on Occupational Protective Footwear. Wash clothing before re-use.

Respiratory Protection: None required under normal conditions of use. For concentrations above the exposure standards outlined, an approved half-facepiece respirator equipped with appropriate chemical cartridges may be used. Reference should be made to Australian Standards AS/NZS 1715 – 'Selection,

Use and Maintenance of Respiratory Protective Devices'; and AS/NZS 1716 – 'Respiratory Protective Devices.'

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:Opaque, white, viscous paste.	
pH (100%)	:Not applicable	
Boiling Point	:>232ºC	
Vapour Pressure	:<0.1mm Hg	
Vapour Density	:>1	(Air = 1)
Evaporation Rate	:<0.10	(BuAc = 1)
Solubility in Water (g/L)	:Negligible.	
Specific Gravity	:1.16 at 25°C	(Water = 1)
Flashpoint	:Non-flammable	
Flashpoint Method	:C.O.C.	
Volatility by Volume	:0	

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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; strong acids and bases; heated magnesium; chlorinated rubber.

Hazardous Decomposition Products: Hazardous decomposition products include oxides of carbon and zinc and various hydrocarbons.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:
Acute - Swallowed: May cause irritation with possible nausea, vomiting and diarrhoea.

Acute - Eye: Direct contact with eyes causes irritation seen as stinging, tearing and redness.

Acute - Skin: Not a problem in normal use, but irritation seen as itching and redness may occur for skin contact beyond the normal use pattern.

Acute - Inhaled: Typically not a hazard, but under extreme conditions of mis-use respiratory irritation seen as coughing and sneezing may be seen. Fumes may cause headache, dizziness, nausea, tightness of chest, fever, chills, dry throat and influenza-like symptoms.

Chronic: Chronic exposure may cause respiratory tract irritation with nasopharyngitis and laryngitis. On rare occasions, repeated/chronic exposure to oil mist may pose a risk of chronic lung inflammation. Prolonged and/or repeated contact as from clothing wet with material may cause drying, defatting, and cracking of the skin, with an allergic skin reaction seen as delayed skin rash and blistering. Chronic skin contact may promote dermatitis and oil acne.
Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.

Target Organs: Central nervous system, lungs and kidneys.

Product Contains Chemicals Listed as Carcinogens by:

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

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SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen.
Mobility: Not soluble in water.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste in a closed, labelled container in accordance with EPA, local, state and federal laws.

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SECTION 14 – TRANSPORT INFORMATION

UN Number:	None allocated.
UN Proper Shipping Name:	None allocated.
Transport Hazard Class:	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packaging Group:	None allocated.
Hazchem Code:	None allocated.

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SECTION 15 - REGULATORY INFORMATION

Poisons Schedule: None allocated.

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SECTION 16 – OTHER INFORMATION

Initial copy of 16-header MSDS.

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. CHEMSEARCH AUSTRALIA 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 be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.