



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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SAFETY DATA SHEET

Page 1 of 7

Issue Date: 20th December 2016

Lithplex Tac Grease

Version 4

Product name: Lithplex Tac Grease

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd.
ADDRESS: Po Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

PRODUCT NAME: Lithplex Tac Grease

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI7-1005

USE: Lithium Complex, multipurpose grease

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. STATEMENT OF HAZARDOUS NATURE

Not Hazardous according to GHS.

This product is classified as NON HAZARDOUS according to NOHSC criteria.
Non Dangerous goods according to Australian Dangerous Goods Code.

3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

INGREDIENTS

CHEMICAL NATURE: A lubricating grease containing highly refined mineral oils and additives.
The highly refined mineral oil contains <3% (w/w) DMSO extract according to IP 346



AUSTRALIAN FAMILY OWNED SINCE 1989





SAFETY DATA SHEET

4. FIRST AID MEASURES / HEALTH HAZARD INFORMATION

HEALTH EFFECTS

<i>ACUTE</i>	SWALLOWED:	This is not expected to be a means of entry during routine operation. Ingestion of small quantities should not cause irritation.
	EYE:	May cause slight irritation to the eyes.
	SKIN:	May be mildly irritating to the skin.
	INHALED:	No data to indicate a toxic inhalation hazard. Inhalation of vapours or mist (generated at elevated temperatures) may cause irritation to the nose and throat.
<i>CHRONIC:</i>		Prolonged or repeated skin contact may lead to drying of the skin.
FIRST AID	SWALLOWED:	If a large quantity is ingested seek medical attention. It may be necessary to induce vomiting, taking extreme care that the person does not aspirate into the lungs. If aspiration occurs, urgent medical attention should be sought.
	EYE:	Wash with copious amounts of water for 15 minutes and seek medical advice if irritation develops or persists.
	SKIN:	Remove contaminated clothing and wash skin thoroughly with plenty of soap and water. High pressure injection through the skin requires urgent medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).
	INHALED:	Remove person to fresh air and seek medical advice. If not breathing, apply artificial respiration and seek urgent medical aid.
	FIRST AID FACILITIES:	Eye wash fountains and safety showers are recommended.
ADVICE TO DOCTOR:		Treat symptomatically.

5. FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD

HAZARDS OF USE/STORAGE:	Product is a combustible C2 class. This product is combustible if exposed to flame.
LIST OF DANGEROUS DECOMPOSITION OR COMBUSTION PRODUCTS:	Combustion produces oxides of carbon, nitrogen and sulphur.



SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES (CONT)

FIRE-FIGHTING RECOMMENDATIONS:	Keep storage tanks, pipelines, containers, fire exposed surfaces, etc. cool with water spray.
TYPES OF EXTINGUISHER/ FIRE-FIGHTING AGENTS:	Use foam, carbon dioxide or dry chemical.
PRECAUTION:	Water may cause splattering.
PROTECTIVE CLOTHING:	Self-contained breathing apparatus is recommended during a fire.
REACTIVITY:	May react with strong oxidising agents.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:	Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimize exposure. If possible, contain the spill. Place inert, non-combustible, absorbent material onto the spillage. Use clean, non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways, contact the Environmental Protection Authority, or your local Waste Water Authority.
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7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene, i.e. washing hands prior to eating, drinking or going to the toilet. Build-up of mists or vapours in the working environment must be prevented.
STORAGE AND TRANSPORT:	Classified as a combustible solid. Store in a well ventilated area away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Do not store in plastic containers unless approved for this application.
SPIILLS AND DISPOSAL:	Spills are easily contained due to the nature of the product. Caution: The product may be slippery. The product should be shovelled into a metal drum and treated as a solid waste. Follow state or local regulations for the disposal of the waste. Clean area with soap and water. Do not allow product to enter drains, sewers or water courses – inform local authorities if this occurs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS:	If the material is subjected to high temperature operations and mists or vapours are generated the Manufacturer recommends: Time Weighted Average (TWA): 5 mg/m ³ (oil mist). Short Term Exposure Limit (STEL): 10 mg/m ³ (oil mist).
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SAFETY DATA SHEET

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

ENGINEERING CONTROLS:	Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and localised exhaust ventilation should be provided to maintain airborne concentration levels below the Manufacturer recommended exposure standard.
RESPIRATOR TYPE (AS1716):	During routine operation a respirator is not required. However, if mists or vapours are generated, an approved organic vapour / particulate respirator is required.
GLOVE TYPE:	PVC, Neoprene or Nitrile gloves are recommended.
EYE PROTECTION:	Safety glasses or goggles are recommended to avoid eye contact. If the material is used at elevated temperatures or under pressure a full face shield should be worn.
CLOTHING:	During normal operating procedures, long sleeved clothing is recommended to provide skin protection. Soiled clothing should be washed with detergent prior to re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Blue tacky grease
VAPOUR PRESSURE (Pa or mmHg at 20°C):	Not available.
DENSITY @ 15°C (g/mL):	Typically 0.90
FLASHPOINT(°C):	Not applicable
FLAMMABILITY LIMITS (%):	Not available.
FLAMMABILITY:	Classified as a Class C2 (Combustible) for the purposes of storage and handling, in accordance with the requirements of AS1940.
SOLUBILITY IN WATER (g/L):	Not miscible with water.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Heat, direct sunlight, open flames or other sources of ignition.
INCOMPATIBLE MATERIALS:	Strong oxidising agents.
HAZARDOUS DECOMPOSITION:	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon.
HAZARDOUS REACTIONS:	Hazardous reaction with strong oxidising agents.
HAZARDOUS POLYMERISATION:	Will not occur.



SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY - ORAL

NOTES (ORAL LD₅₀):

Based on available data the classification criteria are not met.

ATE ORAL (MG/KG)

3,900.16

ACUTE TOXICITY - DERMAL

NOTES (DERMAL LD₅₀):

Based on available data the classification criteria are not met.

ACUTE TOXICITY - INHALATION

NOTES (INHALATION LC₅₀):

Based on available data the classification criteria are not met.

SKIN CORROSION/IRRITATION

ANIMAL DATA:

Based on available data the classification criteria are not met.

SERIOUS EYE DAMAGE/IRRITATION

SERIOUS EYE DAMAGE/IRRITATION:

Based on available data the classification criteria are not met.

RESPIRATORY SENSITISATION

RESPIRATORY SENSITISATION:

Based on available data the classification criteria are not met.

SKIN SENSITISATION

SKIN SENSITISATION:

Based on available data the classification criteria are not met.

GERM CELL MUTAGENICITY

GENOTOXICITY - IN VITRO:

Based on available data the classification criteria are not met.

CARCINOGENICITY

CARCINOGENICITY:

Based on available data the classification criteria are not met.

IARC CARCINOGENICITY:

Contains a substance which may be potentially carcinogenic. IARC Group 2B
Possibly carcinogenic to humans.

REPRODUCTIVE TOXICITY

REPRODUCTIVE TOXICITY – FERTILITY:

Based on available data the classification criteria are not met.

REPRODUCTIVE TOXICITY – DEVELOPMENT: Based on available data the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

STOT - SINGLE EXPOSURE:

Not classified as a specific target organ toxicant after a single exposure.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

STOT - REPEATED EXPOSURE:

Not classified as a specific target organ toxicant after repeated exposure.

ASPIRATION HAZARD

ASPIRATION HAZARD:

Not relevant. Solid.



SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION (CONT)

GENERAL INFORMATION:	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
INHALATION:	No specific symptoms known.
INGESTION:	No specific symptoms known.
SKIN CONTACT:	Prolonged contact may cause dryness of the skin.
EYE CONTACT:	No specific symptoms known.
ROUTE OF ENTRY:	Ingestion Inhalation Skin and/or eye contact
TARGET ORGANS:	No specific target organs known.

12. ECOLOGICAL INFORMATION

TOXICITY TOXICITY:	Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY PERSISTENCE AND DEGRADABILITY:	The degradability of the product is not known.
BIOACCUMULATIVE POTENTIAL BIOACCUMULATIVE POTENTIAL:	No data available on bioaccumulation
MOBILITY IN SOIL MOBILITY:	No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Dispose of according to federal, E.P.A. and state regulations.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Not classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code for transport by sea.



SAFETY DATA SHEET

15. CONTACT POINT

CONTACT PERSON/POINT: General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.

LITERATURE REFERENCES:

- * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
- * NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
- * NOHSC: 10005 List of Designated Hazardous Substances.
- * NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
- * NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice. *
- NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
- * NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
- * NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
- * NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
- * SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
- * ADG: Australian Dangerous Goods Code
- * MSDS of component materials.

LAST CHANGE: Supercedes document issued 24th April 2016
Reason/s for revision: Minor Editorial Adjustments.

MR612102/1

END OF SDS