



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

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SAFETY DATA SHEET

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Issue Date: 13 January 2023

Mechanics Strength Chain Lube

Version: 2

Product name: Mechanics Strength Chain Lube

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)

ADDRESS: PO Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009

FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Mechanics Strength Chain Lube

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-8250

USE: Lubricant spray for chains.

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. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: HAZARDOUS SUBSTANCE
DANGEROUS GOODS
Hazard classification according to criteria of NOHSC and GHS
Dangerous goods classification according to the Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

ADG CLASSIFICATION: Class 2.1: Flammable gases

POISON SCHEDULE: None allocated



SIGNAL WORD: DANGER



AUSTRALIAN FAMILY OWNED SINCE 1989





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2. HAZARDS IDENTIFICATION (CONT)

GHS HAZARD CLASSIFICATIONS

FLAMMABLE AEROSOLS:

Category 1

Gases under pressure - Compressed gas

SKIN IRRITATION:

Category 2

REPRODUCTIVE TOXICITY:

Category 2

SPECIFIC TARGET ORGAN

TOXICITY (REPEAT EXPOSURE):

Category 2

HAZARD STATEMENTS:

H222: Extremely flammable aerosol.

H280: Contains gas under pressure; may explode if heated.

H315: Causes skin irritation.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

PREVENTION STATEMENTS:

P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P211: Do not spray on an open flame or other ignition source.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical ventilating, lighting and other equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P251: Pressurized container: Do not pierce or burn, even after use.

P260: Do not breathe fumes, mists, vapours or spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash contacted areas thoroughly after handling.

P280: Wear protective gloves, protective clothing and eye or face protection.

RESPONSE STATEMENTS:

P314: Get medical advice or attention if you feel unwell.

P362: Take off contaminated clothing and wash before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P308+P313: If exposed or concerned: Get medical advice.

P332+P313: If skin irritation occurs: Get medical advice.

P372: Explosion risk in case of fire.

P381: Eliminate all ignition sources if safe to do so.

P370+P378: In case of fire, use carbon dioxide, dry chemical, foam. Water fog or fine spray is the preferred medium for large fires.

STORAGE STATEMENTS:

P403: Store in a well-ventilated place.

P410+P412: Store below 30°C, protect from direct sunlight and do not expose to temperatures exceeding 50°C.



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2. HAZARDS IDENTIFICATION (CONT.)

DISPOSAL STATEMENT:

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO	CONC, (%)	TWA (mg/m ³)	STEL (mg/m ³)
Alkanes, C ₃₋₄	68475-59-2	40	not set	not set
Hexane	110-54-3	20-30	72	not set
Other non-hazardous ingredients	Secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

GENERAL:

If poisoning occurs, contact a doctor or the Poisons Information Centre (Phone Australia 13 11 26, New Zealand 0800 764 766). Have this SDS with you when you call.

INHALATION:

If symptoms of poisoning become evident, contact the Poisons Information Centre on 13 11 26, or call a doctor at once. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

SKIN CONTACT:

Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

EYE CONTACT:

No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.



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4. FIRST AID MEASURES (CONT.)

INGESTION: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact the Poisons Information Centre on 131 126 or a doctor.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and use appropriate precautions. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

EXTINGUISHING MEDIA: In case of fire, use carbon dioxide, dry chemical, foam. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

FIRE FIGHTING FURTHER ADVICE: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE: In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include Nitrile, Teflon.

Eye/face protective equipment should comprise, as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Take suitable precautions e.g. use of non-sparking equipment to avoid creating sparks or flames which may ignite the spilled material. Leaking gases may form an explosion hazard.



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6. ACCIDENTAL RELEASE MEASURES (CONT.)

ACCIDENTAL RELEASE:

Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE

HANDLING:

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

STORAGE:

Store in a cool (below 30°C), well ventilated area. Protect from direct sunlight. Make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS 1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS 2210.

SWA Exposure Limits

Hexane

TWA (mg/m³)

72

STEL (mg/m³)

not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

VENTILATION:

This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

EYE PROTECTION:

Eye protection such as protective glasses or goggles is recommended when this product is being used.





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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

SKIN PROTECTION:	Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.
PROTECTIVE MATERIAL TYPES:	We suggest that protective clothing be made from the following materials: nitrile, Teflon.
RESPIRATOR:	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Aerosol spray, dispensed product is a liquid
ODOUR:	Expected to have a solvent odour
BOILING POINT:	Not available
FREEZING/MELTING POINT:	No specific data. Dispensed product is a liquid at normal temperatures
FLASH POINT:	Not available. Propellant extremely flammable, dispensed product expected to be flammable
UPPER FLAMMABILITY LIMIT:	Not available
LOWER FLAMMABILITY LIMIT:	Not available
FLAMMABILITY CLASS:	No data. Propellant extremely flammable, dispensed product expected to be flammable
VOLATILES:	No data
VAPOUR PRESSURE:	No data
VAPOUR DENSITY:	No data
SPECIFIC GRAVITY:	No data
WATER SOLUBILITY:	No data
pH:	No data
VOLATILITY:	No data
ODOUR THRESHOLD:	No data



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9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

EVAPORATION RATE: No data

COEFF OIL/WATER DISTRIBUTION: No data

AUTOIGNITION TEMP: No data

10. STABILITY AND REACTIVITY

REACTIVITY: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

CONDITIONS TO AVOID: Store below 30°C, protect from direct sunlight and do not expose to temperatures exceeding 50°C. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed. Protect this product from light.

INCOMPATIBILITIES: Oxidising agents.

FIRE DECOMPOSITION: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death

POLYMERISATION: This product will not undergo polymerisation reactions.

11. TOXICOLOGICAL INFORMATION

LOCAL EFFECTS (TARGET ORGANS): There is no data to hand indicating any particular target organs.

Alkanes, C3-4 is a SWA Class 2 Mutagen, likely to be mutagenic to humans.
Hexane is a SWA Class 3 Reproductive Risk, possible risk of impaired fertility.
This product is likely to cause decreased fertility in humans.



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11. TOXICOLOGICAL INFORMATION (CONT.)

Ingredient	Risk Phrases
Alkanes, C ₃₋₄ <ul style="list-style-type: none">Gases under pressureFlammable gas – category 1Carcinogenicity – category 1BGerm cell mutagenicity – category 1B	Conc>=0.1%: T; R45; R46
Hexane, <ul style="list-style-type: none">Flammable liquid – category 2Reproductive toxicity – category 2Aspiration hazard – category 1Specific target organ toxicity (repeated exposure) – category 2Specific target organ toxicity (single exposure) – category 3Hazardous to the aquatic environment (chronic) – category 2Skin irritation – category 2	Conc>=20.0%: Xn; R62; R48/20; R38

POTENTIAL HEALTH EFFECTS

INHALATION:

Short Term Exposure:

Available data shows that this product is harmful, but symptoms are not available. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Intentional misuse by deliberately concentrating and inhaling contents of aerosol containers can be harmful or fatal.

Long Term Exposure:

Believed to be cumulative by inhalation route.

SKIN CONTACT:

Short Term Exposure:

Major health effect from this product is misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

Long Term Exposure:

No data for health effects associated with long term skin exposure.

EYE CONTACT:

Short Term Exposure:

If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

Long Term Exposure:

No data for health effects associated with long term eye exposure.

INGESTION:

Short Term Exposure:

Significant oral exposure is considered to be unlikely. Available data shows that this product is not harmful. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure:

No data for health effects associated with long term ingestion.



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11. TOXICOLOGICAL INFORMATION (CONT.)

CARCINOGEN STATUS:

SWA:

Alkanes, C3-4 is classified by SWA as a Category 1b Carcinogen. See the SWA website for further details. A web address has not been provided as addresses frequently change.

NTP:

No significant ingredient is classified as carcinogenic by NTP.

IARC:

No significant ingredient is classified as carcinogenic by IARC.

12. ECOLOGICAL INFORMATION

Insufficient data to be sure of status.

13. DISPOSAL CONSIDERATIONS

DISPOSAL:

This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company. Do not puncture or incinerate aerosol cans, even when empty.

14. TRANSPORT INFORMATION

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.



UN NO:

1950, AEROSOLS

HAZCHEM CODE:

2YE

SPECIAL PROVISIONS:

63, 190, 277, 327, 344, 381

LIMITED QUANTITIES:

ADG 7 specifies a Limited Quantity value of 1000ml for this class of product.

DANGEROUS GOODS CLASS:

2.1: Flammable gases

PACKING GROUP:

Not set

PACKING INSTRUCTIONS:

P207, LP200





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14. TRANSPORT INFORMATION (CONT.)

Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

15. REGULATORY INFORMATION

POISON SCHEDULE:	None allocated
PACKING & LABELLING:	Refer to Section 14.
AUSTRALIAN INVENTORY STATUS:	All of the significant ingredients in this formulation are compliant with NICNAS regulations.

16. OTHER INFORMATION

ACRONYMS

ADG Code:	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).
AICS:	Australian Inventory of Chemical Substances.
SWA:	Safe Work Australia, formerly ASCC and NOHSC.
CAS number:	Chemical Abstracts Service Registry Number.
Hazchem Code:	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
IARC:	International Agency for Research on Cancer.
NOS:	Not otherwise specified.
NTP:	National Toxicology Program (USA).
SUSMP:S	Standard for the Uniform Scheduling of Medicines & Poisons.
UN Number:	United Nations Number.
CONTACT PERSON/POINT:	General Manager 1300 796 009



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16. OTHER INFORMATION (CONT.)

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:

- * Safe Work Australia: February 2016 Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals.
- * 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:

Supersedes document issued: 9 February 2018.

Reason/s for revision: Minor editorial adjustments to comply with GHS requirements.

MR321031/1

END OF SDS