FOODSAFE LUBES

SAFETY DATA SHEET
According to EC Regulations 1907/2006 & 1272/2008

Foodsafe Tak Chain Lube

SECTION 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY / UNDERTAKING

1.1	**Product Name**:	Foodsafe Tak Chain Lube
1.2	**Identified uses**:	Lubricant – general. Indirect food contact
	Uses advised against	None known
1.3	**Details of supplier of sds**:	Foodsafe Lubes, 42 Horne St Hoppers Crossing, VIC 3029
	E Mail (competent person)	shane@foodsafelubes.com.au
1.4	**Emergency Telephone**:	03 9281 6222 (07.00 – 17.00 EST Monday to Friday

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance /mixture:

2.1.1 Regulation EC 1272/2008:

Aerosol (cat 1) Extremely flammable

2.2 Label elements:

Signal word(s): Danger

Hazard statements:

H222 Extremely flammable aerosol
H229 Pressurised container: may burst if heated

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P211 Do not spray on an open flame or other ignition source.
P251 Pressurised container – do not pierce or burn, even after use
P261 Avoid breathing vapour/spray.
P271 Use only outdoors or in well-ventilated area.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50^{0}C

2.3 Other hazards

The mixture does not contain any vPvB or PBT substances.
Danger of bursting (explosion) when heated over 50^{0}C.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture:

HAZARDOUS INGREDIENTS	%W/W	CAS No EC No	REACH REG NO	HAZARD PICT/STATEMENTS
Hydrocarbon aerosol propellant (<0.1 butadiene)	25-50	98476-85-7 270-704-2	N/A	Flam gas1, H220

Contains no active materials classified as hazardous under CLP regulations

3.3 Additional information

See sect 16 for full text of H phrases

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Eyes: Remove contact lenses. Rinse with water immediately for at least 10 minutes. Obtain medical attention if any discomfort continues.

Skin: Remove severely contaminated clothing. Wash with soap and water. Obtain medical attention if any discomfort occurs.

Inhalation: Move to fresh air. Provide rest and warmth. If effects occur, obtain medical attention.

Ingestion: If swallowed, drink plenty of water. Do not induce vomiting. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed.

The following symptoms may be apparent depending upon the routes of absorption as detailed in 4.1 above; eye irritation, headache, nausea, dizziness, respiratory tract irritation. Resultant acute /long-term effect to the CNS, dermatitis, vomiting, diarrhoea and are further detailed in sect 11

4.3 Indication of any immediate medical attention and special treatment needed.

Excessive exposure may aggravate pre-existing asthma and other respiratory disorders.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Powder, alcohol resistant foam. CO_2, dry chemicals.
Unsuitable extinguishing media: Water stream

5.2 Special hazards arising from the substance or mixture

May produce oxides of carbon and other combustion products. Danger of explosion when heated. Contents will add to fuelling of fire. Solvent vapours may form explosive mixtures with air.

5.3 Advice for firefighters

Wear SCBA. Keep containers cool by spraying with water. Ventilate closed spaces before entering

.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible sources of ignition. Ensure sufficient ventilation. Wear suitable protective equipment as in Sect 8.

6.2 Environmental precautions.

Prevent from entering drainage systems or water courses.

6.3 Methods and material for containment and clearing

If spray or gas escapes, ensure plenty of fresh air / ventilation. Absorb spilled contents on inert material such as sand or earth - collect and dispose of as in Sect 13. Scrub area with detergent and water to prevent slippery residues.

6.4 Reference to other sections

For PPE and disposal see sections 8 and 13 respectively.

SECTION 7. HANDLING AND STORAGE:

7.1 Precautions for safe handling

Only use in areas with good ventilation. Keep away from any sources of ignition including live electrics. Do not use on hot surfaces .Wash hands after use and before eating. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, ventilated area. Keep protected from direct sunlight and temperatures above 50^0C.

7.3 Specific end use (s)

For lubricating applications and such uses for indirect food contact equipment and machinery

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits

Ingredients	LTEL 8 Hr	STEL 15 min	Note
Hydrocarbon aerosol propellant (<0.1 butadiene)	1000 ppm	1250 ppm	EH40
White Mineral Oil - Oil mists	5mg/m^3		NIOSH

Biological limit value - Not established
PNECs, DNELs - Not established

8.2 Exposure controls

8.2.1 Appropriate engineering controls - Ensure good ventilation /local exhaust ventilation to keep airborne contaminants below exposure limits.

8.2.2 Personal protective equipment:
Eye / face protection - Safety goggles/glasses if there is a risk of eye contact..
Skin protection – Nitrile gloves (EN 374). See glove manufacturer data for glove selection and breakthrough time for use conditions.
Respiratory protection - Not required under normal circumstances. Type RPE if required.
Thermal hazards – Not applicable

8.2.3 Environmental exposure controls – See sects 6,12, 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance/physical state:	Aerosol
Colour:	Colourless/Clear
Odour:	LPG
Odour threshold:	Not established
pH:	Not applicable
Melting /freezing point:	< 0^{0}C
IBP /boiling range:	< 0^{0}C Flash
Point	<0^0 C
Evaporation rate:	Not established
Flammability (gas):	Extremely flammable
Upper /lower explosive limits:	1.8% - 9.4% by vol
Vapour pressure:	Approx 3 bar at 20^{0}C
Vapour density:	Not established
Relative density:	Not applicable
Solubility:	Negligible water miscibility
Partition coefficient (n-octanol/water):	Not established
Auto-ignition temperature:	Not established
Decomposition temperature:	Not established
Viscosity:	Not applicable
Explosive properties:	Not established
Oxidising properties:	None

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under proper storage and handling conditions.

10.3 Possibility of chemical reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat, flame and other ignition sources .Pressurised container: Protect from sunlight and do not Expose to temperatures exceeding 50^0C. Do not pierce or burn even after use.

10.5 Incompatible materials

Avoid contact with strong oxidising agents

.

10.6 Hazardous decomposition products

None when used as directed.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.2. Mixtures

Acute toxicity
Irritation
Corrosivity
Sensitisation
Repeated dose toxicity
Carcinogenicity
Mutagenicity
Toxicity for reproduction

} No data available

Other information

May cause irritation and discomfort to eyes. Prolonged or repeated contact may cause irritation and dermatitis. High concentrations of vapours may cause drowsiness and dizziness Ingestion may cause irritation to mouth and cause damage to respiratory system.

Synthetic base oil

Toxicity/Effect	Endpoint	Value	Organism	Method	Notes
Acute Tox-Oral	LD50	>2000g/kg			Analogous compounds
Acute Tox-Derm	LD50	>2000g/kg			Analogous compounds
Skin corrosion / Irritation					Not irritating
Serious eye damage / Irritation					Irritating
Sensitisation – Respiratory or Skin					Not sensitizing
Subacute, subchronic and prolonged toxicity					No data

Hydrocarbon aerosol propellant (<0.1% Butadiene)

General
In low concentrations may cause narcotic effects. Symptoms include dizziness, headache, nausea and loss of co-ordination

SECTION 12 ECOLOGICAL INFORMATION:

Mixture

12.1 Toxicity
12.2 Persistence and degradability
12.3 Bioaccumulative potential
12.4 Mobility in soil
12.4 results of PBT and vPvB assessment
12.6 Other adverse effects.

} No data available

Synthetic base oil

12.1 Toxicity

Test	Duration	Organism	Method	Result	Notes
Aquatic Toxicity	96 hrs	Rainbow trout	LL50	>1000mg/	Very low toxicity. Analogous product
Toxicity to algae	72 hrs	Algae	EC 50	>1000mg	Analogous product

12.2 Persistence, Degradability and Bioaccumulation Potential. Not readily biodegradable
12.3 Bioaccumulative potential – No data
12.4 Mobility in soil Material does not evaporate from surface soil or water**.** It is insoluble in water.
12.5 Results of PBT and vPvB assessment - Contains no PBT or vPvB components
12.6 Other adverse effects - None known

Hydrocarbon aerosol propellant (<0.1% Butadiene)

General
No known ecological damage.

SECTION 13 DISPOSAL CONSIDERATIONS:

13.1 Waste Treatment Methods

Empty containers must not be burnt or incinerated because of explosion hazard. Dispose of in accordance with local authority guidelines. Empty aerosol products may be recyclable via local authority.

SECTION 14. TRANSPORT INFORMATION:

14.1 UN number	1950
14.2 UN proper shipping name	Aerosols
14.3 Transport hazard class	2 (UN / IMDG)
ADR Classification code	5F
14.4 Packing group	None
14.5 Environmental hazards	Not applicable

SECTION 15. REGULATORY INFORMATION:

15.1 Safety, health and environmental regulations/legislation specific for the mixture

REACH - 1907/2006
CLP - 1272/2008
DPD - 199/45/EC
COSHH - 2002 (as amended)

15.2 Chemical safety assessment

A CSA has not been carried out for this mixture.

SECTION 16. OTHER INFORMATION:

Contains only NSF listed ingredients to category 3H, H1

Legend

LTEL	Long term exposure limit
STEL (SE)	Short term exposure limit (Single exposure)
STOT	Specific target organ toxicity
PNEC	Predicted no effect concentration
DNEL	Derived no effect level

Hazard statements –referred to in sect 3

H220 Extremely flammable gas

Classification methods used to derive classification of mixture

Classification according to calculation procedure detailed in EC1272/2008

Additional information

This safety data sheet has been produced based on information supplied by the manufacturers of the materials therein and is believed to be accurate. No warranty is expressed or implied by this information. It is for the user to satisfy themselves of the suitability of the product for their own purposes.