Safety Data Sheet

Hazardous, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: GLEITMO WSP 5040

Synonyms	**Product Code**
1kg	601063350
200kg	602296320

Recommended use: Grease.

Supplier: FUCHS Lubricants (Australasia) Pty Ltd
Street Address: Head Office
49 McIntyre Road
Sunshine VIC 3020
Australia

Telephone: **1800 180 013 (Australia)**
0800 382 476 (New Zealand)
Website: www.fuchs.com.au
Email: sds.au@fuchs.com

Emergency Telephone number: **Australia 1800 638 556 (24hr)**
New Zealand 0800 154 666 (24hr)

2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.

Signal Word
Danger

Hazard Classifications
Skin Irritation - Category 2
Serious Eye Damage - Category 1
Chronic Hazard to the Aquatic Environment - Category 2

Hazard Statements

H315	Causes skin irritation.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Prevention Precautionary Statements

P264	Wash hands, face and all exposed skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing including eye/face protection.

Response Precautionary Statements

P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.

P362+P364	Take off contaminated clothing and wash it before reuse
P391	Collect spillage.

Storage Precautionary Statement
Not allocated

Disposal Precautionary Statement

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.

Poison Schedule: Not Applicable

DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Dangerous Goods Class: 9

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;
(a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or
(b) IBCs.

ADDITIONAL INFORMATION
Classification according to regulation (EU) 1272/2008 (CLP).

Supplemental label information:
EUH208: Contains: Calcium Sulfonate, Calcium Sulfonate. May produce an allergic reaction.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Mixture of the substances listed below with harmless additions.		
Lime hydrate	1305-62-0	20-<50 %
Inorganic zinc salt	7446-26-6	2.5-<5 %
Calcium Sulfonate	68584-23-6	1-<5 %
Calcium Sulfonate	61789-86-4	1-<5 %
Ca-sulfonate	1335202-81-7	1-<3 %
Phenolic antioxidant	128-37-0	0.25-<1 %
Ca Sulfonate	70024-69-0	0.1-<1 %
Triaryl phosphate, alkylated		0.1-<1 %
Amine aromatic, alkylated	68411-46-1	0.1-<1 %
Triphenyl phosphate	115-86-6	0.1-<1 %
Zn compound	1314-13-2	0.1-<<0.25 %
Ingredients determined to be non-hazardous		Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

PPE for First Aiders: Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. Can cause corneal burns.

5. FIRE FIGHTING MEASURES

Hazchem Code: 2Z

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Combustible material.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS
Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: 171

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of dust.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.

This material is classified as a Class 9 Miscellaneous Dangerous Good as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
2,6-Di-tert-butyl-p-cresol		10			-
Calcium hydroxide		5			-
Triphenyl phosphate		3			-
Zinc oxide (dust)		10			-
Zinc oxide (fume)		5		10	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask.

Personal Protection Equipment: SAFETY SHOES, OVERALLS, GLOVES, CHEMICAL GOGGLES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Grease
Colour:	Light brown
Odour:	Characteristic

Solubility in water:	Insoluble
Density:	1.2 g/cm3 @ 15°C
Relative Vapour Density (air=1):	N App
Vapour Pressure:	N App
Flash Point (°C):	N Av
Flammability Limits (%):	N Av
Pour Point/Range (°C):	N App
Boiling Point/Range (°C):	N Av
Dropping Point (°C):	250
pH:	N App
Viscosity:	N App
Total VOC (g/Litre):	N Av

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Strong oxidizing substances. Strong acids. Strong bases.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin will result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.

Acute toxicity

Inhalation: This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC_{50} > 5.0 mg/L for dust.

Specified substance(s)
Lime hydrate - LC50 (Rat, 4h): 6.04 mg/l - Dust and mist
Zn compound - LC50 (Rat, 4h): 5.7 mg/l

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD_{50} > 2,000 mg/Kg bw

Specified substance(s)
Calcium Sulfonate - LD50 (Rabbit): >5001 mg/kg
Calcium Sulfonate - LD50 (Rat): >5001 mg/kg
Phenolic antioxidant - LD50 (Rat): >5000 mg/kg (OECD 402)
Ca Sulfonate - LD50 (Rabbit): >5000 mg/kg (OECD 402)

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD_{50} > 2,000 mg/Kg bw

Specified substance(s)
Lime hydrate - LD50 (Rat): 7340 mg/kg
Calcium Sulfonate - LD50 (Rat): >5001 mg/kg
Calcium Sulfonate - LD50 (Rat): >16000 mg/kg
Phenolic antioxidant - LD50 (Rat): >2930 mg/kg (OECD 401)
Ca Sulfonate - LD50 (Rat): >5000 mg/kg (OECD 401)
Triaryl phosphate, alkylated - LD50 (Rat): >5001 mg/kg
Amine aromatic, alkylated - LD50 (Rat): >5000 mg/kg (OECD 401)
Zn compound - LD50 (Rat): >15000 mg/kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Eyes
Specified substance(s)
Calcium Sulfonate - Eyes - Rabbit - Not irritant. (OECD 405)
Ca-sulfonate - Eyes - May cause burns. (OECD 405)
Amine aromatic, alkylated - Eyes - Rabbit - Not irritant. (OECD 405)

Skin
Specified substance(s)
Calcium Sulfonate - Skin - Rabbit - Not irritant. (OECD 404)
Calcium Sulfonate - Skin - Rabbit - Not irritant. (OECD 404)
Ca-sulfonate - Skin - Slightly irritating. (OECD 404)
Ca Sulfonate - Skin - Rabbit - Not irritant. (OECD 404)

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Skin Sensitiser
Specified substance(s)
Calcium Sulfonate - May cause sensitisation by skin contact.
Calcium Sulfonate - May cause sensitisation by skin contact.
Ca-sulfonate - Guinea pig - Based on available data, the classification criteria are not met. (OECD 406-1)
Phenolic antioxidant - Guinea pig - No sensitising effect. (OECD 406)
Ca Sulfonate - May cause sensitisation by skin contact.
Amine aromatic, alkylated - Guinea pig - No sensitising effect. (OECD 406)

Aspiration hazard: This material has been classified as not an aspiration hazard.

Specific target organ toxicity (single exposure): This material has been classified as not a specific hazard to target organs by a single exposure.

Chronic Toxicity

Mutagenicity: This material has been classified as not a mutagen.

In vitro
Specified substance(s)
Ca-sulfonate -Based on available data, the classification criteria are not met. (OECD 471)

Carcinogenicity: This material has been classified as not a carcinogen.

Reproductive toxicity (including via lactation): This material has been classified as not a reproductive toxicant.

Specified substance(s)
Amine aromatic, alkylated - Oral - Rat - Suspected of damaging fertility. (OECD 421)

Specific target organ toxicity (repeat exposure): This material has been classified as not a specific hazard to target organs by repeat exposure.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

Fish
Specified substance(s)
Lime hydrate - LC50 (Fish, 96h): 50.6 mg/l (OECD 203)
Calcium Sulfonate - LC50 (Fish, 96h): >10000 mg/l (OECD 203)
Calcium Sulfonate - LL50 (Cyprinodon variegatus, 96h): >10000 mg/l (OECD 203)
Ca-sulfonate - LL50 (Fish, 96h): >1 mg/l (OECD 203)
- LL50 (Fish, 96h): <10 mg/l (OECD 203)
Ca Sulfonate - LC50 (Fish, 96h): >1001 mg/l (OECD 203)
Triaryl phosphate, alkylated - LC50 (Fish, 96h): 0.8 mg/l
Amine aromatic, alkylated - LC50 (Fish, 96h): >100 mg/l (OECD 203)

Aquatic Invertebrates
Specified substance(s)
Lime hydrate - EC50 (Water Flea, 48h): 49.1 mg/l (OECD 202)
Inorganic zinc salt - EC50 (Water Flea, 48h): 26 mg/l
Calcium Sulfonate - EL50 (Daphnia magna, 48h): >1000 mg/l
Calcium Sulfonate - EC50 (Water Flea, 48h): >100 mg/l (OECD 202)
Ca-sulfonate - LL50 (Water Flea, 48h): 2.9 mg/l (OECD 202)
Phenolic antioxidant - EC50 (Water Flea, 48h): 0.61 mg/l (Method: OECD 202)
Ca Sulfonate - EC50 (Water Flea, 48h): >1001 mg/l
Triaryl phosphate, alkylated - EC50 (Water Flea, 48h): 0.202 mg/l
Amine aromatic, alkylated - EC50 (Daphnia magna, 48h): 51 mg/l (OECD 202)
Zn compound - EC50 (Water Flea, 48h): 2.2 mg/l

Long-term aquatic hazard: This material has been classified as a Category Chronic 2 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): 1 - 10 mg/L, where the substance is not rapidly degradable and/or BCF ≥ 500 and/or log K_{ow} ≥ 4.

Fish
Specified substance(s)
Triaryl phosphate, alkylated - NOEC (Fish, 90d): 0.093 mg/l

Aquatic Invertebrates
Specified substance(s)
Lime hydrate - NOEC (Water Flea, 14d): 32 mg/l
Phenolic antioxidant - NOEC (Water Flea, 21d): >0.39 mg/l
Triaryl phosphate, alkylated - NOEC (Water Flea, 21d): 0.0399 mg/l

Toxicity to Aquatic Plants
Specified substance(s)
Lime hydrate - NOEC (Alga, 72h): 48 mg/l
- EC50 (Alga, 72h): 184.57 mg/l
Inorganic zinc salt - EC50 (Algae, 72h): 0.233 mg/l (OECD 201)
Calcium Sulfonate - EL50 (Algae, (Pseudokirchneriella subcapitata), 96h): >1000 mg/l
Ca-sulfonate - EC50 (Alga, 96h): 29 mg/l
Ca Sulfonate - EC50 (Alga, 72h): >1000 mg/l
Triaryl phosphate, alkylated - EC50 (Alga, 72h): 1.4 mg/l
- NOEC (Alga, 72h): 0.05 mg/l
Amine aromatic, alkylated - EC50 (Alga, 72h): >100 mg/l (OECD 201)
Zn compound - EC50 (Alga, 72h): 0.17 mg/l

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Biodegradation
Specified substance(s)
Calcium Sulfonate - 8.6%(28d) - Not easily biodegradable.
Ca-sulfonate - Readily biodegradable. (OECD 301B)
Phenolic antioxidant - 30%- Not readily degradable. (OECD 302C)
Triaryl phosphate, alkylated - 61%(28d) - Readily biodegradable.
Amine aromatic, alkylated - Not readily degradable.

Bioaccumulative potential: No information available.
Specified substance(s)
Phenolic antioxidant - May be accumulated in organism.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT
Classified as Dangerous Goods by the criteria of the “Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in;
(c) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or
(d) IBCs.

UN No:	3077
Dangerous Goods Class:	9
Packing Group:	III
Hazchem Code:	2Z
Emergency Response Guide No:	171
Limited Quantities	5 kg
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (INORGANIC ZINC SALT)

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1). Note 1: Materials that are fire risks are incompatible with oxidising agents (Class 5.1) or organic peroxides (Class 5.2). Exemptions may apply.

MARINE TRANSPORT
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

UN No:	3077
Dangerous Goods Class:	9
Packing Group:	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (INORGANIC ZINC SALT)

AIR TRANSPORT
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No:	3077
Dangerous Goods Class:	9
Packing Group:	III
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (INORGANIC ZINC SALT)

15. REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

HSNO Group Standard: HSR002606 - Lubricants, Lubricant Additives, Coolants and Anti-freeze Agents (Subsidiary Hazard) Group Standard 2020

16. OTHER INFORMATION

Reason for issue: Revised

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.