SAFETY DATA SHEET

ILS CALSUL PM 320

Issued Date: 18/05/22
Issued by: Industrial Lubricants & Services Ltd

1. IDENTIFICATION

Product Identifier
ILS CALSUL PM 320

Company Name
Industrial Lubricants & Services Ltd

Address
PO Box 259 347, Botany, Manukau 2163
Auckland, New Zealand

Telephone/Fax Number
Tel: 0800 10 40 11
Fax: 0800 10 40 15

Emergency phone number
New Zealand National Poison Centre
0800 764 766

ILS Technical Helpline 0800 10 40 17

E-mail Address
orders@ils.co.nz

Recommended use of the chemical and restrictions on use
Lubricating Grease for Industrial and Food Grade applications

2. HAZARD IDENTIFICATION

HSNO classification of the substance/mixture

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

NO SIGNAL WORD

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / mixture Mixture

Ingredients

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Chemical name	EC No	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Calcium dodecylbenzenesulphonate	247-557-8	26264-06-2	<2.5	Skin Irrit. 2 (H315) Eye Dam. 1 H318) Aquatic Chronic 3 (H412)	No data available
Oleoyl N-methylglycine	203-749-3	110-25-8	<1	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Acute Tox. 4 (H332) Aquatic Acute 1 (H400)	No data available

This product is a calcium sulfonate complex grease based on white mineral oil. The mineral oils in the product contain <3% DMSO-extract (IP 346).

Full text of H- and EUH-phrases: see section 16

4. FIRST AID MEASURES

Inhalation
Move to fresh air in case of accidental inhalation of vapors.

Ingestion
Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Skin
Wash with soap and water.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids.

First Aid Facilities
Normal washroom facilities are generally suitable. Ensure an eye wash station and safety shower is available and ready for use.

Most important symptoms/effects, acute and delayed
None known

Advice to Doctor
Treatment should in general be symptomatic and directed to relieving any effects.In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Other Information
Keep water and mild soap near work site. For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use dry chemical, CO_2, water spray (fog) or foam.
Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising From The Chemical
Not flammable. Fire may produce irritating and/or toxic gases..

Precautions in connection with Fire
No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters' protective clothing will only provide limited protection. Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Environmental precautions
Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up
Small Spill (20L or less)
Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill (Greater than 20L)
Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Extremely slippery when spilled.

Protective measures
Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene
Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

Ingredient name	Exposure limits
Oleoyl N-methylglycine 110-25-8	TWA: 0.1 mg/m3 Ceiling / Peak: 0.2 mg/m3

Appropriate Engineering Controls
None under normal processing.

Environmental exposure controls
Prevent product from entering drains.

Individual protection measures

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

Eye Protection
Safety glasses, goggles or face shield as appropriate.

Hand Protection
Wear protective nitrile rubber gloves. Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Conform EN 374-2 and EN 347-3.

Skin Protection
Use of protective clothing is good industrial practice.
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.
The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Semi-solid	**Appearance**	Smooth
Colour	Beige	**Odour**	Not Available
Explosive properties	Not Available	**Oxidizing properties**	Not Available
pH	Not Available	**Melting point/freezing point**	Not Available
Boiling point/boiling range	No Applicable	**Flash point**	> 150 °C / > 302 °F
Evaporation rate	No Applicable	**Flammability (solid, gas)**	Not Available
Flammability limits in air	Not Available	**Vapor pressure**	No Applicable
Vapor Density	No Applicable	**Specific gravity**	Not Available
Solubility(ies) Partition coefficient	Not Available	**(n-octanol/water)**	Not Available
Autoignition temperature	Not Available	**Decomposition temperature**	Not Available
Kinematic viscosity	Not Available	**Dynamic viscosity**	Not Available
Density	< 1063 kg/m³ @ 15 °C		

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions of use.

Conditions to Avoid
Heat, direct sunlight, open flames or other sources of ignition.

Incompatible materials
Reactive or incompatible with the following materials: Strong oxidising agents.

Reactivity
No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Not hazardous based on component data.
Skin corrosion/irritation Not hazardous based on component data.
Serious eye damage/eye irritation Not expected to cause eye irritation. Data obtained on this product or a similar product.
Sensitization Not hazardous based on component data.
Germ cell mutagenicity Not hazardous based on component data.
Carcinogenicity Not hazardous based on component data.
Reproductive toxicity Not hazardous based on component data.
STOT-single exposure Not hazardous based on component data.
STOT-repeated exposure Not hazardous based on component data.
Aspiration hazard Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document
Oral LD50 *5350 mg/kg*
Dermal LD50 *5433 mg/kg*

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Calcium dodecylbenzenesulphonate	4445 mg/kg (Rat)		

Product Information
Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.
Eye contact Not expected to cause eye irritation.
Skin contact Prolonged contact may cause redness and irritation.
Ingestion Malaise (vague feeling of discomfort).

12. ECOLOGICAL INFORMATION

Ecotoxicity Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

Chemical name	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Calcium dodecylbenzenesulphonate		10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	

Persistence and degradability
Not readily biodegradable.

Bioaccumulative potential
This product is not expected to bioaccumulate through food chains in the environment.

Mobility in soil

Mobility in soil
After release, adsorbs onto soil.

Mobility
Insoluble in water.

13. DISPOSAL CONSIDERATIONS

Disposal considerations
The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

Regulatory information	UN number	Proper shipping name	Classes	Packing Group	Label	Additional information
New Zealand Class	Not regulated	-	-	-	-	-
ADG Class	Not regulated	-	-	-	-	-
IATA Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-

15. REGULATORY INFORMATION

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

Water hazard class (WGK) Slightly hazardous to water (WGK 1)

European Union
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at
work.

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies

KECL	Complies
NZIoC	Complies

16. OTHER INFORMATION

Full text of H-Statements referred to under section 3
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H400 - Very toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects

Key or legend to abbreviations and acronyms used in the safety data sheet

EC	European Commission
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
EEC	European Economic Community
EUH statement	CLP-specific Hazard statement
CAS	Chemical Abstracts Service
REACH	Registration, Evaluation and Authorization of Chemicals
LD50	Median Lethal Dose for 50% of subjects
WGK	Wassergefährdungsklasse
ADR	Accord européen relatif au transport international de marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association

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END OF SDS