



SAFETY DATA SHEET

ILS SAWMAX N

Issued Date: 29/08/19

Issued by: Industrial Lubricants & Services Ltd

1. IDENTIFICATION

GHS Product Identifier

ILS SAWMAX N

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

0800 10 40 17

E-mail Address

orders@ils.co.nz

Recommended use of the chemical and restrictions on use

Mineral oil based product for the cooling & lubrication of Saw blades

2. HAZARD IDENTIFICATION

GHS classification of the sub stance/ mixture

This material is not classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

Signal Word (s)

No signal word.

Hazard Statement (s)

May cause mild skin irritation

Environmental Hazards

Not Harmful to aquatic organisms in small concentrations

Effects & Symptoms

Eyes	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs
Skin	May cause mild skin irritation
Inhalation	At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour or products resulting from thermal decomposition.
Ingestion	Unlikely to cause harm if swallowed accidentally in small doses though Larger doses may cause nausea and diarrhea

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture **Mixture**

Ingredients

Name	CAS	Proportion
Mix of Mineral Oils		70 – 90%
Sulfonic acids, petroleum, calcium salts	61789-86-4	0.5 – 1%
Phenol, 2,2'-polythiobis[4-C8-30-alkyl derivs., calcium salts, overbased	90480-91-4	0.1 – 0.1%
Alkylated phenol	74499-35-7 /132752-19-3	0.01 – 0.10%
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs.	722503-68-6	0.01 – 0.10%
Mix of Methyl Esters	73891-99-3/68990-52-3/85586-25-0	5 – 15%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Skin

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Check for and remove any contact lenses. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention immediately.

First Aid Facilities

Eye wash, safety shower and normal washroom facilities.

Advice to Doctor

Treatment should in general be symptomatic and directed to relieving any effects.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

Other Information

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

In case of fire, use carbon dioxide, dry chemical, foam, water spray or water fog.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Specific Hazards Arising From the Chemical

Combustible liquid; will readily burn under fire conditions. Product containers may rupture when exposed to heat in a fire.

Hazchem Code

Not available

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. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Floors may be slippery; use care to avoid falling. Put on appropriate personal protective equipment (see Section 8).

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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

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

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Contaminated absorbent material may pose the same hazard as the spilt product. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear appropriate protective equipment to prevent skin and eye exposure. Avoid heat and sources of ignition. Keep containers closed when not in use. Use in a well ventilated area. Avoid breathing in spray, mists or vapours. When dealing with this product, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Not suitable

Prolonged exposure to elevated temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been established for this specific material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However the exposure standards for oil mist are as follows:

Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
Oil Mist	5	10

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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.

Recommended monitoring procedures

No biological limit allocated.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other

forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal

Environmental exposure controls

Where vapors or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye Protection

Safety glasses with side shields.

Hand Protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Skin Protection

Use of protective clothing is good industrial practice. 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. 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.

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

9. PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Test Method	Properties
Description	Visual	Amber colored fluid
Odour	-	Slight Hydrocarbon odour
Viscosity @ 15°C	ASTM D 1298	0.90
Flash Point, CC	ASTM D93	>180°C
Boiling Point	Various	Not Available
Solubility in water	ILS EMIL 1	Insoluble

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling.

Conditions to Avoid

Avoid all possible sources of ignition (spark or flame).

Incompatible materials

No hazardous reactions identified

Hazardous Decomposition Products

Thermal decomposition may result in the emission of toxic and/or irritating fumes including carbon monoxide, carbon dioxide sulphur oxides (SO, SO₂, etc.) and hydrocarbons.

Possibility of hazardous reactions

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

Hazardous Polymerization

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

11. TOXICOLOGICAL INFORMATION

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion	-	No specific data.
Inhalation	-	No specific data.
Skin	-	Adverse symptoms may include the following: irritation dryness cracking
Eye	-	No specific data.

Potential chronic health effects

General Inhalation

- No known significant effects or critical hazards.
- Inhalation of product vapours, particularly at elevated temperatures, may irritate the respiratory system. Low volatility of the product makes inhalation unlikely at ambient temperatures.

Ingestion

- Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

- Skin contact** - Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.
- Eye contact** - Irritating to eyes. Eye contact may cause tearing, stinging, blurred vision, and redness.
- Carcinogenicity** - No known significant effects or critical hazards.
- Mutagenicity** - No known significant effects or critical hazards.
- Chronic effects** - Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No known significant effects or critical hazards.

Persistence and degradability

Expected to be biodegradable.

Bioaccumulative Potential

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

Mobility

This product will not leach into water systems due to inherently high Melting Point

Soil/water partition coefficient (KOC)

Not available.

Other ecological information

Do not discharge the product into soil, drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Do NOT pressurize, cut, heat or weld empty containers as they may contain hazardous residues.

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. Empty containers or liners may retain some product residues. 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.	-	-	-	-	-
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15. REGULATORY INFORMATION

HSNO Approval Number

None assigned.

HSNO Group Standard

None assigned.

HSNO Classification

None assigned.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

SOS reviewed: 29 August 2019

Supersedes: June 2016

Key to abbreviations

Varies = may contain one or more of the following 101316-69-2, 101316-70-5, 101316-71-6, 101316-72-7, 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-64-9, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1, 74869-22-0, 90669-74-2

Notice to reader

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The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from ILS LTD

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END OF SDS