

SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC - revision 2020/878

Revision No. 1.7

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name: PREMALUBE NLGI 1
Product Code: 2501G

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use

Lubricant.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland,
Arrowmere House, Bilston,
WV14 0QL
Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address: technical_uk@nch.com
Website address: www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

This mixture is not classified according to EU Regulation No 1272/2008

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Keep out of reach of children
For industrial and institutional use only.

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.
The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical name	CAS No.	EC No (EU Index No)	EU - REACH reg number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	64742-65-0	265-169-7	01-2119471299-27	25 - < 50	-	L
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	101316-69-2	309-874-0	01-2119486948-13	20 - < 25	-	L
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	64742-52-5	265-155-0	01-2119467170-45	10 - < 20	-	L
MOLYBDENUM DISULPHIDE	1317-33-5	215-263-9	-	< 1	-	
2-(2-HEPTADEC-8-ENYL-2-IMIDAZOLIN-1-YL)ETHANOL	95-38-5	202-414-9	01-2119777867-13	< 0.3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Skin Corr. 1B (H314) Acute Tox. 4 (H302) STOT RE 2 (H373)	
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	101316-72-7	309-877-7	01-2119489969-06	< 10	-	L

For any H statements mentioned in this section, see the full text in section 16. This mixture contains substances with a Community workplace exposure limit.

EU Notes

Note L - The classification as a carcinogen does not apply as the substance contains less than 3% DMSO extract (IP 346)

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water.

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

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

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

Notes to physician

Treat Symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Dry powder. Alcohol-resistant foam. Carbon dioxide (CO₂). Water spray.

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

Material can create slippery conditions.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Insoluble in water and hence will float on the surface.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). If using a cloth to wipe up a small spillage, properly dispose of the used cloth to avoid a fire risk.

Methods for Cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**Exposure Limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical name	European Union	The United Kingdom	France	Germany	Austria
MOLYBDENUM DISULPHIDE		TWA: 10 mg/m ³			STEL: 20 mg/m ³ TWA: 10 mg/m ³

Chemical name	Spain	Portugal	Italy	The Netherlands	Switzerland
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	STEL: 10 mg/m ³ TWA: 5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³			
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	STEL: 10 mg/m ³ TWA: 5 mg/m ³	STEL: 10 mg/m ³ TWA: 5 mg/m ³			
MOLYBDENUM DISULPHIDE	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³			TWA: 10 mg/m ³

Chemical name	Denmark	Finland	Norway	Sweden	Czech
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC			TWA: 1 mg/m ³		PEL: 5mg/m ³ NPK-P: 10mg/m ³
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC			TWA: 1 mg/m ³		PEL: 5mg/m ³ NPK-P: 10mg/m ³
MOLYBDENUM DISULPHIDE			TWA: 10 mg/m ³	NGV: totaldamm 10 mg/m ³ NGV: Respirabeltdamm 5 mg/m ³	PEL: 5mg/m ³ NPK-P: 25mg/m ³

Chemical name	Poland	Ireland
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	NDS: 5 mg/m ³	
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	NDS: 5 mg/m ³	
MOLYBDENUM DISULPHIDE	NDS: 4 mg/m ³	

DNEL (Derived No-Effect Level)

Chemical name	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	general population workers general population workers workers	oral dermal inhalation inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - systemic effects long term exposure - local effects	0.74 mg/kg bw/day 0.97 mg/kg bw/day 1.19 mg/m ³ 2.73 mg/m ³ 5.58 mg/m ³
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated	general population workers general population workers workers	oral dermal inhalation inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - systemic effects long term exposure - local effects	0.74 mg/kg bw/day 0.97 mg/kg bw/day 1.19 mg/m ³ 2.73 mg/m ³ 5.58 mg/m ³
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	general population workers general population workers workers	oral dermal inhalation inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - systemic effects long term exposure - local effects	0.74 mg/kg bw/day 0.97 mg/kg bw/day 1.19 mg/m ³ 2.73 mg/m ³ 5.58 mg/m ³
2-(2-HEPTADEC-8-ENYL-2- IMIDAZOLIN-1-YL)ETHANOL	workers workers workers workers	dermal inhalation dermal inhalation	long term exposure - systemic effects long term exposure - systemic effects acute/short term exposure - systemic effects acute/short term exposure - systemic effects	0.06 mg/kg bw/day 0.46 mg/m ³ 2 mg/kg bw/day 14 mg/m ³
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	general population workers general population workers workers	oral dermal inhalation inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - local effects long term exposure - systemic effects long term exposure - local effects	0.74 mg/kg bw/day 0.97 mg/kg bw/day 1.19 mg/m ³ 2.73 mg/m ³ 5.58 mg/m ³

PNEC (Predicted No-Effect Concentration)

Chemical name	EU - REACH (1907/2006) - PNEC	EU - REACH (1907/2006) - PNEC
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	food chain	9.33 mg/kg food
Lubricating oils (petroleum), C>25, solvent-extd.,	food chain	9.33 mg/kg food

deasphalted, dewaxed, hydrogenated		
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	food chain	9.33 mg/kg food
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	food chain	9.33 mg/kg food

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Regulation (EU) 2016/425.

Respiratory Protection

If excessive mist formation is likely wear suitable respiratory protection. Conforming to EN 143 - P2 / P3 Particle filters.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Neoprene gloves (0.4 mm). Nitrile rubber (0.4 mm). Solvent-resistant gloves (butyl-rubber). Suitability and durability of a glove is dependent upon usage factors such as frequency, duration of use, temperature and chemical resistance. The use of a chemical-protective glove may in practice be much shorter than the permeation time determined through testing. For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Black
Odour	Characteristic
Physical state	Grease
pH	Not applicable
Flash Point	> 220 °C
Method	Closed cup
Specific gravity	0.9
Viscosity	Grease
Solubility	Insoluble in water
Autoignition Temperature	No information available
Decomposition temperature	No information available
Boiling Point/Range	No information available
Melting Point/Range	Not applicable
Flammability Limits in Air %	No information available
Evaporation Rate	No information available
Vapour pressure	No information available
Relative vapour density	No information available
Explosive properties	No information available
Oxidising Properties	No information available
VOC content	0 %
NLGI	1
Dropping Point	> 225°C

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.

10.4. Conditions to avoid

Heat, flames, and sparks.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Product Information

The product itself has not been tested.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	> 15000 mg/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2400 mg/m ³ (Rat) 4 h = 2062 ppm (Rat) 4 h
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	> 5000 mg/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	= 2062 ppm (Rat) 4 h
MOLYBDENUM DISULPHIDE			> 2820 mg/m ³ (Rat) 4 h
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h

Sensitisation

No information available.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

Eye contact

May cause irritation as itching and redness.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

STOT - single exposure

Based on available data, the classification criteria are not met

STOT - repeated exposure

Based on available data, the classification criteria are not met

Aspiration hazard

Based on available data, the classification criteria are not met

11.2 Information on Other Hazards

The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**Product Information

The product itself has not been tested.

Chemical name	Toxicity to Fish	Crustacea	Toxicity to Algae
DISTILLATES (PETROLEUM) SOLVENT-DEWAXED HEAVY PARAFFINIC	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	1000: 48 h Daphnia magna mg/L EC50	
DISTILLATES (PETROLEUM) HYDROTREATED HEAVY NAPHTHENIC	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	EC50> 1000 mg/L 48 h	
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	LC50 > 5000 mg/L Oncorhynchus mykiss 96 h	1000: 48 h Daphnia magna mg/L EC50	

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

The product is insoluble and floats on water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6 Endocrine disrupting properties

The product does not contain substances that have been identified as an endocrine disruptor (REACH - Article 57(f))

12.7 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Prevent product from entering drains. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

13 02 05* Mineral-based non-chlorinated engine, gear and lubricating oils

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.

Not classified for transport as dangerous goods

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

14.7 Maritime transport in bulk according to IMO instruments

Packaged product, not typically transported in IBC's

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

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

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3

H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life with long lasting effects. H314 - Causes severe skin burns and eye damage. H302

- Harmful if swallowed. H373 - May cause damage to organs through prolonged or repeated exposure.

Prepared By Adela Smetanova

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Revision summary

SDS sections updated 3 9 16

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungsklasse (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadviser and assembled from publicly available literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet