

Safety Data Sheet according to WHS Regulations

Printing date 05.05.2022

Version number 3

Revision: 05.05.2022

1 Identification

- **Product identifier**
- **Trade name: Lubrication Paste G-N Plus**
- **Article number:**
53708606
53708603
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Grease
- **Details of the supplier of the safety data sheet**
- **Supplier:**
Alfa Laval Technologies AB
SE-221 00 Lund
Sweden
+46 46 36 65 00
info.se@alfalaval.com

Australian supplier:
Alfa Laval Australia Pty Ltd
Locked Bag 40, Blacktown Business Centre
NSW - NSW-2148 Blacktown
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Visit: 14 Healey Circuit, - NSW - NSW-2148 Huntingwood
Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799
www.alfalaval.com.au
australia.info@alfalaval.com
- **Further information obtainable from:**
For further questions regarding the safety data sheet, please contact your local Alfa Laval Sales Company which you find at www.alfalaval.com or in section 16 "Other Information" in the end of the safety data sheet
- **Emergency telephone number:**
Call 000 or 112 and ask for poison information.
Australian Poisons Information Centre Tel:13 11 26
Call 000 or 112 and ask for poison information.

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

- **Signal word** Danger

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- **Hazard-determining components of labelling:**
calcium dihydroxide
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
- **Precautionary statements**
P280 Wear protective gloves / eye protection / face protection.
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.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** The product is not, nor contains, a substance that is, PBT.
- **vPvB:** The product is not, nor contains a substance that is, vPvB.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 8042-47-5	White mineral oil, petroleum	33-49%
CAS: 1305-62-0	calcium dihydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	21-31%
CAS: 7782-42-5	Graphite Acute Tox. 4, H332	8-12%
CAS: 1317-33-5	molybdenum disulphide	6-10%
CAS: 8002-74-2	Paraffin waxes and Hydrocarbon waxes	2.6-3.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **Description of first aid measures**
- **General information:** Wash contaminated clothing before reuse.
- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately rinse with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water and consult a doctor.
Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
- **After swallowing:**
Do NOT induce vomiting.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Water spray
Fire-extinguishing powder
Carbon dioxide
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Not applicable.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
Formaldehyde
Sulphur dioxide (SO₂)
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid contact with spilled material.
Particular danger of slipping on leaked/spilled product.
See Section 8 for information on personal protection equipment.
Wear protective equipment. Keep unprotected persons away.
Do not breathe vapour.
- **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Send for recovery or disposal in suitable receptacles.
- **Methods and material for containment and cleaning up:**
Send for recovery or disposal in suitable receptacles.
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Do not breathe vapour.
Keep receptacles tightly sealed.
Thorough dedusting.
When using do not eat, drink or smoke.
See Section 8 for information on personal protection equipment.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
Store away from flammable substances.
Keep container tightly sealed.
- **Specific end use(s)**
Lubricant
Professional use only.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:**
Eye wash bottle or emergency eye wash fountain must be found in the work place.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 8042-47-5 White mineral oil, petroleum		
WES	Long-term value: 5 mg/m ³	Oil mist, inhalable aerosol
CAS: 1305-62-0 calcium dihydroxide		
WES	Long-term value: 5 mg/m ³	
CAS: 7782-42-5 Graphite		
WES	Long-term value: 3 mg/m ³	
CAS: 1317-33-5 molybdenum disulphide		
WES	Long-term value: 10 mg/m ³	as Mo
CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes		
WES	Long-term value: 2 mg/m ³	
· DNELs		
CAS: 8042-47-5 White mineral oil, petroleum		
Dermal	DNEL - Long term, Systemic effects	220 mg/kg bw/day
Inhalative	DNEL - Long term, Systemic effects	120 mg/m ³
CAS: 1305-62-0 calcium dihydroxide		
Inhalative	DNEL - Acute, Local effects	4 mg/m ³ (Worker)

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	DNEL - Long term, Systemic effects	1 mg/m ³ (Worker)
CAS: 7782-42-5 Graphite		
Oral	DNEL - Long term, Systemic effects	813 mg/kg bw/day (Consumer)
Inhalative	DNEL - Long term, Local effects	0.3 mg/m ³ (Consumer) 1.2 mg/m ³ (Worker)

· **PNECs**

CAS: 1305-62-0 calcium dihydroxide

PNEC 0.49 mg/L (Freshwater) (Extrapolation)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not carry product impregnated cleaning cloths in trouser pockets.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Use only in well-ventilated areas.

In case of insufficient ventilation, wear suitable respiratory equipment.

· **Respiratory protection:**

Combined particles and organic fumetype (Filter A-P)



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

PVC or PE gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Tightly sealed goggles

· **Body protection:**



Protective work clothing

· **Limitation and supervision of exposure into the environment**

Do not allow to enter sewers/ surface or ground water.
Send for recovery or disposal in suitable receptacles.

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:** Highly viscous

· **Colour:** Grey

· **Odour:** Odourless

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

· **Melting point/freezing point:** Undetermined.

· **Initial boiling point and boiling range:** Undetermined.

· **Flash point:** >200 °C

· **Flammability (solid, gas):** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:** Not determined.

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Oxidising properties** Not applicable.

· **Vapour pressure:** Not applicable.

· **Density at 20 °C:** 1.35 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with water:** Insoluble.

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- | | |
|--|--|
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not applicable.
Not determined. |
| · Other information | No further relevant information available. |

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
Reacts with oxidising agents.
When heated to temperatures above 150°C in the presence of air product can form formaldehyde vapours
- **Conditions to avoid** High temperature
- **Incompatible materials:** Reacts with strong oxidising agents.
- **Hazardous decomposition products:**
Hydrocarbons
Formaldehyde
Phosphorus compounds
Sulphur oxides (SO_x)

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

CAS: 8042-47-5 White mineral oil, petroleum

Dermal	LD50	>2,000 mg/kg (Rabbit)
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CAS: 1305-62-0 calcium dihydroxide

Oral	LD50	>2,000 mg/kg (Rat) (OECD Test 425)
Dermal	LD50	>2,500 mg/kg (Rabbit) (OECD Test 402)

CAS: 7782-42-5 Graphite

Oral	LD50	>2,000 mg/kg (Rat) (OECD Test 401)
Inhalative	LC50 (4 h)	>2 mg/L (Rat) (OECD Test 403)

CAS: 1317-33-5 molybdenum disulphide

Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50 (4 h)	>2.82 mg/L (Rat)

CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes

Oral	LD50	>5,000 mg/kg (Rat) (OECD Test 401)
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Dermal	LD50	>2,000 mg/kg (Rat) (OECD Test 402)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation**
Strong irritant with the danger of severe eye injury.
Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Repeated dose toxicity** Repeated exposure may cause skin dryness or cracking.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 8042-47-5 White mineral oil, petroleum

LC50	>100 mg/L (Salmon trout) (OECD Test 203)
EC50	>100 mg/L (Daphnia) (OECD TG 202)
NOEC - No observed effect concentration	100 mg/l (Algae) (OECD TG 201)
	1 mg/l (Daphnia)
	1 mg/l (Fish)

CAS: 1305-62-0 calcium dihydroxide

LC50 (96 h)	50.6 mg/L (Fish)
EC50 (48 h)	49.1 mg/L (Daphnia) (OECD Test 202)
EC50 (72 h)	184.57 mg/L (Algae) (OECD Test 201)
NOEC - No observed effect concentration	32 mg/l (Daphnia)

CAS: 7782-42-5 Graphite

LC50 (96 h)	>100 mg/L (Fish) (OECD Test 203)
EC50	>100 mg/L (Daphnia) (OECD Test 202)
EC50 (72 h)	>100 mg/L (Algae) (OECD Test 201)

CAS: 1317-33-5 molybdenum disulphide

LC50 (96 h)	>100 mg/L (Fish)
EC50	>100 mg/L (Daphnia)
EC50 (72 h)	>100 mg/L (Algae)
NOEC - No observed effect concentration	>10 mg/l (Daphnia)
	>10 mg/l (Fish)

CAS: 8002-74-2 Paraffin waxes and Hydrocarbon waxes

LC50	>100 mg/L (Fish)
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· **Persistence and degradability**

CAS: 8042-47-5 White mineral oil, petroleum

Biodegradability | 31 % (No information available)

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** Does not accumulate in organisms

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** The product is not, nor contains, a substance that is, PBT.

· **vPvB:** The product is not, nor contains a substance that is, vPvB.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Hand over to hazardous waste disposers.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· **UN-Number** The product is not classified as dangerous goods.

· **ADG, IMDG, IATA** Not regulated

· **UN proper shipping name** Not relevant.

· **ADG, IMDG, IATA** Not regulated

· **Transport hazard class(es)** The product is not classified as dangerous goods.

· **ADG, ADN, IMDG, IATA**

· **Class** Not regulated

· **Packing group** Not applicable.

· **ADG, IMDG, IATA** Not regulated

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special precautions for user** Not applicable.

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** Not regulated

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15 Regulatory information

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

- **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

- **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

- **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**



- **Signal word** Danger

- **Hazard-determining components of labelling:**

calcium dihydroxide

- **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

- **Precautionary statements**

P280 Wear protective gloves / eye protection / face protection.

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.

P321 Specific treatment (see on this label).

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit

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guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.

Please contact your local Alfa Laval Sales Company for further questions.

www.alfalaval.com

Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Department issuing SDS: Alfa Laval Corporate Standards & Regulatory Operations**Contact:**

Please contact your local Alfa Laval Sales Company for further questions.

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

* **Data compared to the previous version altered.**