



SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Nutcracker Penetrating Compound**
Product Use: Used at 100% solution for lubrication
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Power Up Lubricants NZ Ltd**
Address: 41 Hororata Road
RD 2 Darfield, 7572
Canterbury
New Zealand

Telephone: +64 3 962 9990 / 0800 33 66 66
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 25 March 2021

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Lubricants (Low Hazard) Group - HSR002605

Pictograms



Aspiration

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P331	Do NOT induce vomiting.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Storage Code	Storage Statement
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
White mineral oil	60-70	8042-47-5
Non hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Seek medical advice if needed.

If on Skin Wash skin with plenty of soap and water. Seek medical advice if needed.

If Swallowed Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Immediately call a POISON CENTER or doctor/physician.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Aspiration hazard. May be fatal if swallowed and enters airways.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable at ambient temperature. Liquid may burn at temperatures above flash point, if exposed to an open flame.
Hazards from combustion products	Oxides of carbon, sulfur, and dense smoke.
Suitable Extinguishing media	Carbon Dioxide, foam, dry chemical.
Precautions for firefighters and special protective clothing	Keep containers cool with water spray. When fighting a fire, treat as a petroleum product, wear protective clothing and avoid breathing fumes. Avoid spreading with water flooding.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition.

Do not allow to enter waterways.

Use absorbent material to collect and contain small spills for disposal. For large spills remove by mechanical means and place in containers. Wash area with suitable detergent and thoroughly rinse.

Dispose of in compliance with local and/or national regulations as detailed in Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid excess heat, formation of oil mist, breathing vapours and mist from hot oil, and prolonged or repeated contact with skin.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in a cool, well ventilated area, not to exceed 50°C
- Keep away from heat, spark and open flame.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

No specific requirements under ordinary conditions of use and with adequate ventilation. Local ventilation is recommended if oil mist is present.

Personal Protection Equipment

Eyes	Where prolonged and/or repeated eye contact is likely to occur, wear safety glasses with side shields.
Hands	Where prolonged and/or repeated skin contact is likely to occur, wear long sleeves, and chemical resistant gloves.
Respiratory	Respiratory protection is not expected, however, where high temperature applications or exposure occurs to misting, wear a NIOSH approved (or equivalent) organic vapour cartridge. Use self-contained breathing apparatus in emergency situations.
General	Use skin cream for skin protection. Avoid contact with the eyes and the skin. Wash hands during work breaks and at the end of the shift. Provide skin protection plan.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Light amber colour, clear.
Odour	Pleasant thin odour.
Odour Threshold	Not available
pH	Not available
Boiling Point	>230°C
Pour Point	-27°C
Melting Point	Not available
Freezing Point	Not available

Flash Point	163°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density	1.05g/ml
Specific Gravity (water =1)	1.05 (15.6°C)
Water Solubility	Partially
Coefficient of water/oil dist.	<1.0
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	No data available.
Incompatible Materials	Avoid contact with oxidizing agents.
Hazardous Decomposition Products	Oxides of carbon, sulfur and dense smoke.

Section 11 Toxicological Information

Acute Effects:

Swallowed	No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal obstruction. If drawn into lungs from swallowing or vomiting, may cause bronchio pneumonia or pulmonary edema.
Dermal	Not applicable.
Inhalation	No inhalation dangers at room temperatures as there are no vapours. If the product is misted, high concentrations of vapour and/or mist may cause irritation, experienced as nasal discomfort and discharge.
Eye	Slight irritation to eyes but will not injure eye tissue.
Skin	Not triggered, however frequent or prolonged contact may irritate the skin and cause a skin rash.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Product:	
-----------------	--

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Precautions or methods to avoid: Do not puncture or incinerate containers, even when empty.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Lubricants (Low Hazard) Group - HSR002605

HSNO Classification: 6.1E (aspiration)

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the Power Up Lubricants, if further information is required.

Issue Date: 25 March 2021 Review Date: 25 March 2026