

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Grinding Belt Polishing Oil – 312g**
 Product Code: S920
 Product Use: Lubricant
 Restriction of use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**
 Address: **124 Bush Road**
Albany
Auckland
New Zealand

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

Glasscorp date of issue: 16 February 2023

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Aerosols (Flammable) – HSR002515

Pictograms:



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H222	Extremely flammable aerosol.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing as detailed in Section 8.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	Disposal Statement
P501	Dispose of according to local regulations in Section 13.

Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Cas Number	Weight %
Butane	106-97-8	20 - 40
White Mineral Oil	8042-47-5	20 - 40
Naphtha, (Petroleum), Hydrotreated Light	64742-49-0	10 - 20
Propane	74-98-6	10 - 20
n-Heptane	142-82-5	2.5 - 10
Pine Oil	8002-09-3	1 - 2.5
Other components below reportable levels		To balance

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical assistance if needed.
If on Skin	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
If Swallowed	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Aspiration may cause pulmonary edema and pneumonitis.
If Inhaled	Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

Most important symptoms and effects, both acute and delayed

Symptoms:	Refer to Section 11 for full details: May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Dermatitis. Rash.
Advice to Doctors:	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Section 5. Fire Fighting Measures

Hazard Type	Extremely flammable aerosol. Combustible.
Hazards from products	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Suitable Extinguishing media	Foam. Powder. Dry chemicals. Carbon dioxide (CO ₂). Do not use water jet as an extinguisher, as this will spread the fire.
Precautions for firefighters and special protective clothing	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Section 7. Handling and Storage

Precautions for safe handling:

- Read carefully and follow all instructions.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing as detailed in Section 8.
- Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective.
- Do not spray on a naked flame or any other incandescent material.
- Do not smoke while using or until sprayed surface is thoroughly dry.

- Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition.
- All equipment used when handling the product must be grounded.
- Do not re-use empty containers.
- Avoid breathing mist or vapor.
- Avoid contact with eyes, skin, and clothing.
- Avoid prolonged or repeated contact with skin.
- Use only in well-ventilated areas.
- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Observe good industrial hygiene practices.

Precautions for safe storage:

- Store locked up.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source.
- Store away from incompatible materials (see Section 10 of the SDS).

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	mg/m ³	STEL ppm	mg/m ³
Butane	[106-97-8]	800	1900	-	-
Heptane (n-Heptane)	[142-82-5]	400	1640	500	2050

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 (WES-STEL). 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 APRIL 2022 13TH EDITION

Engineering Controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protection Equipment



Eyes	Face shield is recommended. Wear safety glasses with side shields (or goggles).
Hands	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Skin	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Respiratory	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Hygiene	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Section 9 Physical and Chemical Properties

Appearance	Liquid - Aerosol
Odour	Not available
Odour Threshold	Not available
pH	Not available
Onset of Boiling	95°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-104.4°C (Propellant estimated)
Flammability	Not available
Upper and Lower Explosive Limits	1.2% – 8%
Vapour Pressure	50 - 70 psig @20°C estimated
Relative Vapour Density	Not available
Density (20°)	Not available
Specific Gravity	0.361 estimated
Soluble in water	Not available
Partition Coefficient:	Not available
Auto ignition temperature	250°C
Decomposition Temperature	Not available
Viscosity	Not available
Heat of combustion	(NFPA 39.48 kJ/g estimated 30B)

Section 10. Stability and Reactivity

Stability of Substance	Material is stable under normal conditions.
Possibility of hazardous reactions:	Reacts with metals, with evolution of hydrogen. Corrosive effect on metals.
Conditions to Avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials	Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	May cause an allergic skin reaction. Dermatitis. Rash.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enter airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
STOT/SE	Not applicable. Direct contact with eyes may cause temporary

	irritation.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Butane (CAS 106-97-8)	-	-	1237 mg/l, 120 Min 52 %, 120 Min (mouse) 1355 mg/l (rat)
Naphtha, (Petroleum), Hydrotreated Light (CAS 64742-49-0)	4820 mg/kg (rat)	> 9.4 ml/kg, 24 Hrs (guinea pig, rabbit) >1900 mg/kg 24 hrs (rabbit)	> 5000 mg/m ³ , 4 Hrs > 4980 mg/m ³ > 4980 mg/m ³ , 4 Hours > 4.96 mg/l, 4 Hours 13700 ppm, 4 Hours (rat)
n-Heptane (CAS 142-82-5)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	>29.29 mg/l(rat)
Propane (CAS 74-98-6)	-	-	1237 mg/l/ 120min (mouse) 1355 mg/l (rat) 656 mg/l/4h
White Mineral Oil (CAS 8042-47-5)	>5000 mg/kg (rat)	>2000 mg/kg (rabbit)	2.18 mg/l, 4 hrs (rat)

Section 12. Ecotoxicological Information

Product is not expected to be 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 other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal Considerations

Disposal Method:

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Precautions or methods to avoid: Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 Transport Information

This product is classified as a **Dangerous Good** for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2.1
Packing Group	III
Proper Shipping Name	AEROSOLS, FLAMMABLE, (each not exceeding 1 L capacity)
Marine Pollutant	No
Special Provisions	63, 190, 277, 344, 327

Section 15 Regulatory Information

EPA Approval Code: Aerosols (Flammable) – HSR002515

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	3000L (AWC)
Signage Trigger Quantities (Schedule 3)	3000L (AWC)
Emergency Response Plan (Schedule 5)	1000L
Secondary Containment (Schedule 5)	1000L
Tracking (Schedule 26)	Not required
Fire Extinguisher	3000L (AWC) = 1 off
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

Cat	Category
AWC	Aggregate water capacity.
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 APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020

5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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