



Trusted Aerosol Performance

SAFETY DATA SHEET

Section 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Grease Eater Liquid
Product Code: 7889, 7880
Uses: Water based cleaner and degreaser.
Company: Chemz Limited
Address: 80 Rangitane Place
Whakatu, Hastings
Telephone: +64 6 877 9690
Email: info@chemz.co.nz
Emergency Number 24 hr: 0800 764 766 (0800 POISON) National Poison Centre

Section 2 – HAZARDS IDENTIFICATION

Classification of the product

Considered a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ.
Classified as a dangerous goods for transport purposes.

GHS Classifications:

Eye irritation Category 2
Skin sensitisation Category 1

HSNO Classifications:

6.4A Causes serious eye irritation
6.5B Contact sensitiser



Signal Words: Warning

Hazard Statements

H319 Irritating to the eye.
H317 May cause an allergic skin reaction.

Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
2-Butoxyethanol	111-76-2	1 - 10
Sodium Metasilicate	6834-92-0	1 - 10
Dipentene	138-86-3	1 - 10
Ethoxylated alcohols	Proprietary	1 - 10
Other ingredients determined to not be hazardous	-	to 100%

Section 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

If exposed or if you feel unwell: Call a POISON CENTRE or doctor.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.



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Inhalation:	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
Skin contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting. Obtain immediate medical attention.
Notes to physician:	Treat symptomatically and supportively. No specific antidote.

Section 5 – FIRE-FIGHTING MEASURES

General fire hazards:	Not applicable.
Further advice:	On burning, containers may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion.
Extinguishing media:	Use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Do not discharge extinguishing waters into the aquatic environment.
Hazchem Code:	2Y

Section 6 – ACCIDENTAL RELEASE MEASURES

Minor spills:	Clean up all spills. Wipe up with absorbent material. Avoid contact with skin and eyes. Wear protective clothing, gloves and safety glasses.
Major spills:	If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for disposal. Undamaged containers should be gathered and stored safely.

Section 7 – HANDLING AND STORAGE

Handling Precautions:	Read product label before use. Keep out of reach of children. Avoid contact with liquid. Wash hands with soap and water after handling and before eating, drinking and smoking. Use good occupational work practice. Avoid physical damage to containers.
Storage:	Store in a well ventilated, cool, dry place. Store away from incompatible materials.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	No value assigned for product. Exposure standards for constituents (NZ WES);
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Material	TWA, mg/m ³	STEL, mg/m ³
2-Butoxyethanol	121 (skin)	-

Additional Information:	Wash hands before eating, drinking and smoking.
Engineering Controls:	No controls generally required.
Protective Equipment:	<p>Eye and face protection: Safety glasses or goggles.</p> <p>Skin Protection: Wear general protective light weight latex gloves. For heavy exposures, wear chemical protective (PVC) and safety boots.</p> <p>Other Protection: Protective clothing such as overalls, apron and boots are recommended for moderate or heavy use.</p> <p>Respiratory Protection: Where the concentration of gas/particulates in the breathing zone exceeds the "Exposure Standard" (or ES), respiratory protection is required.</p> <p>Use Type AX-P filter (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88)</p> <p>Cartridge performance is affected by humidity. Cartridges should be changed after 2 hours of continuous use unless the humidity is less than 75%, when cartridges can be used for 4 hours. Used cartridges should be discarded daily, regardless of the length of time used.</p>



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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, almost colourless liquid.
Odour:	Slight hydrocarbon odour.
Odour Threshold:	Not available.
pH:	10 - 12
Melting Point, °C:	Not available.
Freezing Point, °C:	Not available.
Initial Boiling Point, °C:	100
Boiling Point Range, °C:	100
Flash Point, °C:	Not applicable.
Flammability:	Non-flammable liquid.
Explosion Limit, % v/v:	LEL UEL
Vapour Pressure, kPa:	Not available.
Vapour Density (Air = 1):	Not available.
Relative Density:	1.0
Solubility:	Soluble in water.
Partition Coefficient:	Not available (n-octanol/water)
Autoignition Temp, °C:	Not available.
Decomposition Temp, °C:	Not available.
Kinematic Viscosity, mm²/s:	Not available.
Particle Characteristics:	Not available.

Section 10 – STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical Stability:	Product is considered stable under normal conditions of use. Hazardous polymerisation will not occur.
Possible Hazardous Reactions:	Avoid reaction with oxidising agents.
Conditions to Avoid:	Not available.
Incompatible Materials:	Oxidisers.
Hazardous Decomposition Products:	Combustion products include carbon monoxide, carbon dioxide and other pyrolysis products typical of burning organic material.

Section 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity:	LD ₅₀ estimated to be > 5,000 mg/kg. Not considered to be toxic.
Acute Dermal Toxicity:	LD ₅₀ estimated to be > 5,000 mg/kg. Not considered to be toxic.
Acute Inhalation Toxicity:	LC ₅₀ estimated to be > 20 mg/L, Rat 4 hour. Not considered to be toxic.
Aspiration Hazard:	Not considered to be an aspiration hazard..



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Toxicity of Components:

Material	Toxicity	Irritation
2-Butoxyethanol	Oral (guinea pig) LD ₅₀ 1,414 mg/kg Dermal (guinea pig) LD ₅₀ > 2,000 mg/kg Inhalation (rat) LC ₅₀ 2.17 mg/L 4 hr	Mild skin irritant. Serious eye irritant.
Sodium Metasilicate	Oral (rat) LD ₅₀ 1,280 mg/kg	Corrosive, irritant.
Dipentene	Oral (rat) LD ₅₀ 5,300 mg/kg Dermal (rabbit) LD ₅₀ 50,000 mg/kg Inhalation (rat) LC ₅₀ 1,710 mg/L 4 hr	Mildly irritating to the skin. Irritating to the eye
Ethoxlated Alcohols	Oral (rat) LD ₅₀ 2,590 mg/kg Dermal (rabbit) LD ₅₀ 2,830 mg/kg Inhalation (rat) LC ₅₀ Not available	Mildly irritating to the skin. Irritating to the eye

Not Available: Applies to data either not available or does not fill the criteria for classification.

Skin Irritation:

May cause skin irritation and defatting of the skin which can lead to dermatitis.

Eye Irritation:

May cause serious eye irritation. Avoid direct contact with eyes.

Inhalation:

Not available

Respiratory Irritation:

Not expected to be irritant.

Sensitisation:

Not expected to be a contact or respiratory sensitiser.

Mutagenicity:

Not expected to be mutagenic.

Carcinogenicity:

Not expected to be carcinogenic.

Reproductive toxicity:

Not expected to be toxic.

STOT, single exposure:

Not available.

STOT, repeated exposure:

Not available.

STOT (Narcotic):

Not expected to be narcotic..

Repeated Dose Toxicity:

Chronic dermal exposure may result in irritant contact dermatitis.

Additional Information:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Section 12 – ECOTOXICITY INFORMATION

Ecotoxicity:

Slightly ecotoxic.

Persistence/degradability:

No data available for all ingredients (Air, Water, Soil).

Bioaccumulation Potential:

No data available for all ingredients

Mobility in Soil:

No data available for all ingredients.

Other Adverse Effects:

No data available for all ingredients.

Section 13 – DISPOSAL CONSIDERATIONS

Material Disposal:

Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate water.

Container Disposal:

Recycle empty container if possible or dispose in landfill. Product containers are also considered wastes of the same class of the contents and should be disposed of in accordance with applicable regulations.

If it is a class 6, 8 or 9 it must be disposed by treating it so it is no longer a hazardous substance. If it contains components that are bioaccumulative and not rapidly degradable, it must be treated so that the substance is no longer a hazardous substance.



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Container Recycling: Recyclable plastic – Recycle if possible. Packages which hazardous content have been appropriately treated to remove residual contents removed may be recycled.

Workplace: Send empty containers to a plastics recycler or commercial waste stream.

Section 14 – TRANSPORT INFORMATION

Transport: Not classified as a Dangerous Good for transport purposes.

Proper Shipping Name: Not applicable.

UN Number: Not applicable.

Dangerous Goods Class: Not applicable.

Transport Labels Required: None.

Subsidiary Risk: Not applicable.

Packing Group: Not applicable.

Marine Pollutant: No.

EMS Number Not applicable.

Special Provisions: No data available.

Limited Quantity: Not applicable.

DG Segregation: Not applicable.

Section 15 – REGULATORY INFORMATION

EPA Approval Number: HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2020. This substance is to be managed using the conditions specified in the applicable Group Standard.

EPA Hsno Controls: Refer to www.epa.govt.nz for information on Controls.
This substance is to be managed using the conditions specified in an applicable Group Standard.

Inventory Listing NZIOC (New Zealand Inventory of Chemicals); All components of this product are listed.

SDS regulations This Safety Data Sheet was prepared in accordance with the EPA Hazardous Substances (Safety Data Sheets) Notice July 2017 (Consolidated 30 September 2022).

Section 16 – OTHER INFORMATION

Additional information Personal Protective Equipment Guidelines: The recommendation for protective equipment contained is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations	CAS	Chemical Abstract Service number
	EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
	EPA	Environmental Protection Agency
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	IATA	International Air Transport Association
	IMDG	International Maritime Dangerous Goods
	LC ₅₀	Lethal Concentration, 50% / Median Lethal Concentration



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LD ₅₀	Lethal Dose, 50% / Median Lethal Dose
LEL	Lower Explosion Limit
mg/m ³	Milligrams per Cubic Metre
NZIoC	New Zealand Inventory of Chemicals
N.O.S.	Not otherwise specified
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UEL	Upper Explosion Limit

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Chemz Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their Chemz representative or Chemz Limited at the contact details on page 1. Chemz Limited's responsibility for the material as sold is subject to the terms and conditions of sale.

End of sds.