

Material Safety Data Sheet

POWERKLEEN

Infosafe No.: VAR8C

ISSUED Date : 01/07/2023

ISSUED by: Milestone Chemicals Pty. Ltd.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name

POWERKLEEN

Company Name

Milestone Chemicals Pty. Ltd. (ABN 85115166357)

Address

115 Northern Road West Heidelberg
VIC 3081 Australia

Emergency Tel.

Poisons Information Centre Tel 131126

Telephone/Fax Number

Tel: (03) 9450 4555
Fax: (03) 9457 5518

Recommended Use

General purpose cleaner and degreaser for use in the automotive industry. Can be used to clean and degrease most hard surfaces.

Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

2. HAZARD IDENTIFICATION

Hazard Classificaon

Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2

Risk Phrase(s)

R36/38 Irritating to eyes and skin.

Safety Phrase(s)

S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell seek medical advice immediately
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Liquid

Ingredients

Name	CAS	Proporon
Non hazardous surfactants	Mixture	1- 10 %
Other ingredients determined not to be hazardous, including water	N/A	to 100%
d - Limonene	5989- 27- 5	0- 2 %
Disodium metasilicate	6834- 92- 0	1- 10 %
2- Butoxyethanol	111- 76- 2	1- 10 %

4. FIRST-AID MEASURES

Inhalation

Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, obtain medical attention.

Ingestion

Do NOT induce vomiting. Give a glass of water to be taken slowly.

Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

Eye

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

First Aid Facilities

Eye wash station and normal washroom facilities.

Advice to Doctor

Product contains alkaline salts and mixed detergent solution. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water or extinguishing media appropriate to surrounding fire.

Hazards from Combustion Products

Water vapour, carbon dioxide, oxides of phosphorous. Incomplete combustion may generate carbon monoxide.

Specific Methods

In case of small fire/explosion use water. In case of major emergency use PPE: as required for other chemicals present.

Specific Hazards

Not classified as a flammable liquid.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and shut off all possible sources of ignition. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

7. HANDLING AND STORAGE

Conditions for Safe Storage

Store in cool, well ventilated place in original container. Store away from oxidising agents, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Keep away from naked flames and other sources of heat. Do not allow vapours to collect in enclosed spaces. Take precautions against static discharge. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
2- Butoxyethanol		TWA	25	ppm	
2- Butoxyethanol		TWA	121	mg/m3	

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protective Equipment

Avoid contact with the skin and eyes. Avoid breathing the vapour. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-
PVC or natural rubber.

Chemical goggles or faceshield to protect eyes.

Respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Red liquid

Odour

Orange/citrus fragrance.

Boiling Point

> 100C

Solubility in Water

Miscible with water in all proportions.

Specific Gravity

1.08

pH Value

12.0-12.5

Flash Point

None

Flammability

Not flammable.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use conditions.

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Incompatible materials

Strong alkalis, acids, oxidizing agents.

Hazardous Decomposition Products

Emits smoke and fumes when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation

May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

Ingestion

May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

Skin

Will degrease the skin and may lead to irritation or dermatic effects. Product contains a small amount of d-limonene and this ingredient may cause sensitization by skin contact in some individuals. Product contains 2-butoxy ethanol; this ingredient may be absorbed through the skin with resultant toxic effects.

Eye

Will cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision. Depending upon duration of exposure, eye damage may occur.

Chronic Effects

Prolonged or repeated skin contact may lead to dermatis.

Prolonged contact may cause severe eye irritation and some form of permanent eye damage may occur.

Acute Toxicity - Oral

2-BUTOXY ETHANOL: Oral LD50(rat): 470 mg/kg

Acute Toxicity - Dermal

2-BUTOXY ETHANOL: Dermal LD50(rabbit): 220 mg/kg

Acute Toxicity - Inhalation

2-BUTOXY ETHANOL: Inhalation LC50(rat): 450 ppm/4Hr

12. ECOLOGICAL INFORMATION

Ecotoxicity

In large concentrations, this product is detrimental to the aquatic environment.

Persistence / Degradability

Inherently biodegradable.

Mobility

Readily dilutes with water.

Environmental Protection

Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

Transport Information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

U.N. Number

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Packing Group

None Allocated

15. REGULATORY INFORMATION

Regulatory information

Classified as hazardous according to criteria of NOHSC

HAZARDOUS SUBSTANCE.

SCHEDULED POISON.

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule

S5

Hazard Category

Irritant

Australia (AICS)

All components listed.

16. OTHER INFORMATION

Signature of Preparer/Data Service

Technical manager Tel: (03) 9450 4555

Technical Contact Numbers

Emergency Advice All Hours:

Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm

Poisons Information on Centre: 13 11 26 - 24hrs

Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

END OF MSDS

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