



Material Safety Data Sheet

• 1 Identification of substance:

- **Product name:** CLEAR-OFF MOSS & MOULD REMOVER

- **Stock number:** 176598

- **Manufacturer/Supplier:**

PPS Industries Limited
86 Hugo Johnston Drive,
Penrose,
Auckland, New Zealand
P.O.Box 12-823, Penrose, Auckland 1642
Phone: 64 9 579-1001
Facsimile: 64 9 579-9474
Emergency Phone: 0800 657 894 Monday to Friday 8am-4pm
Web Site: www.ppsindustries.co.nz

- **Emergency contact detail:**

For emergency only. During normal hours call PPS Industries office.

| Organization | Location | Phone |
|--|-------------|---------------|
| National POSITION CENTER | New Zealand | 0800 647-766 |
| Chemcall 24/7 Emergency Response Service | New Zealand | 0800 243-6225 |

• 2 Hazards identification

Classified as hazardous according to the criteria in the hazardous substances (minimum degrees of hazard) regulations 2001. Classified as a dangerous goods according to NZS 5433.

HSNO Class:

Class 6 Toxicity

6.1E (oral) Acutely Toxic.
6.3A Irritating to the skin.
6.4A Irritating to the eye.

HSNO approved number:

HSR005625

GHS Classification:

Hazard Pictogram:





PPS INDUSTRIES LIMITED

Signal word: Warning

Hazard class:

Acute Toxicity oral Category 5
Skin corrosion/irritation category 2
serious eye damage/eye irritation Category 2

Hazard statement(s):

H303 May be harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
P264 Wash the affected body parts thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P264 Wash the affected body parts thoroughly after handling

Precautionary Statement(s) Prevention:

P264 Wash the affected body parts thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statement(S) Response:

P312 Call a poison centre or doctor if you feel unwell
P302+P352 If on skin: wash with plenty of water
P321 For specific treatment read the Label.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses if present and easy to do. Continue rinsing.

Precautionary Statement(S) Storage:

Nil

Precautionary Statement(S) Disposal:

Nil

• **3 Composition/Data on components:**

Chemical characterization:

Contains: N-alkyl (C12-14) dimethyl benzyl ammonium chloride
Content: 25%
CAS No: 68424-85-1

• **4 First aid measures**

After contact with the eyes:

Immediately rinse eyes with running water for at least 15 minutes.
Seek medical attention immediately.



After contact with the skin:

Remove contaminated clothing. Wash affected area thoroughly with soap and water.

After inhalation:

If safe to do so, remove from exposure, give artificial respiration if required. Seek medical attention immediately.

Ingestion:

Seek immediate medical attention. If conscious, give 3-4 glasses of milk (or if unavailable, water.) Do not induce vomiting.

Note to physician:

Probable mucosal damage may contraindicate use of gastric lavage. Single dose of activated charcoal is the recommended gastrointestinal decontamination procedure - adult 50-100g, child 1-2 g/kg

• **5 Fire fighting measures**

Extinguishing media: Suit all media.

Special firefighting procedures: this product is not flammable.

Unusual fire and explosion hazards:

Hazardous products of combustion:
Toxic organic vapours, amines, oxides of carbon and nitrogen & hydrogen chloride.

• **6 Accidental release measures**

Spills:

Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated.

Large spills:

Do not allow the product to enter drains, sewers or waterways. Remove leaking containers to a detached area. Bund spill area and recover consider recycling. Absorb spilled product with inert material (e.g. sand, earth etc.)

Small amounts:

Wash away with plenty of water.
Floors may become slippery.
Nb. Vigorous flushing may generate copious foam.

Disposal:

Dispose of waste in accordance with local authority bylaws.

Cleaning of equipment:

Clean with water.

• **7 Handling and storage**



Handling:

Measures to prevent fire and explosion:
No special measures required. Avoid eye contact. Wear chemical type goggles or safety glasses. Wear PVC gloves and protective clothing.

Storage:

Do not contaminate drinking water, food or feed by storage or disposal.

• **8 Exposure controls and personal protection**

Ventilation:

In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Personal protective equipment:

Eye protection: safety glasses/goggles

Hand protection: PVC gloves

Skin and body protection: protective clothing, pvc apron and boots.

Respiratory protection:

Approved respirator for organic vapours when vapour or mist may be generated.

• **9 Physical and chemical properties:**

Form: liquid

Colour: colourless to pale yellow liquid

Odour: slight almond

Boiling point (deg. C): 100

Flash point (deg. C): not flammable

Max. % volatile: 90

Density at 20 deg. C, g/ml: 1.00

Solubility in water: soluble

pH: 8.0

• **10 Stability and reactivity**

Stability: Stable under normal operating conditions.

Materials to avoid:

Avoid contact with strong oxidising/reducing agents.

Hazardous decomposition products:

Toxic organic vapours/fumes, amines, co, co₂, nitrogen oxides, hydrogen chloride.

Dangerous reactions: none.

• **11 Toxicological information**

Health effects:

Swallowed: toxic if swallowed

Eye: corrosive.

Skin: corrosive.



Inhaled: irritating if inhaled.

Acute oral toxicity: LD50 oral (rat) 2400 mg/kg

Skin irritation:

Rabbit: severe irritant - 80% active soln. 72 hours, not reversed

Rat: severe irritant- 6-10% repeated exposures 2 weeks.

Rat: mild to moderate irritant- 3% repeated exposures for 2wks

Rat: non-irritant-0.1% repeated exposures 2 weeks

Eye irritation:

Rabbit:

Severe irritant -

80% active caused irritation that did not clear by day 3,
post-dose.

Rabbit: non-irritant - 5 ppm repeated exposures 3 weeks.

Sensitisation:

Guinea pig: not sensitising.

Reproductive toxicity:

Rat: not teratogenic.

Rat: generation study -no neonatal/parental effects at 1000 ppm,
observed at 2000 ppm.

• **12 Ecological information:**

Persistence/degradability:

Considered to be degradable, does not bio accumulate.

Aquatic toxicity:

LC50 bluegill sunfish: 2.35 ppm 96 hrs (for closely related 80%
product).

LC50 rainbow trout: 7.8 ppm 96 hours (for closely related 80%
product).

• **13 Disposal considerations**

Dispose of waste in accordance with local authority bylaws.

Disposal of empty container:

triple rinse then send to drum recycling facility.

• **14 Transport information**

U.N. NUMBER: NOT CLASSIFIED AS HAZARDOUS

HAZCHEM CODE:

PROPER SHIPPING NAME:

TOXIC SUBSTANCE SCHEDULE: S4

PACKING GROUP:

DANGEROUS GOODS CLASS: NOT CLASSIFIED AS HAZARDOUS



- **15 Regulations**

- **Product related hazard information:**

HSNO Class:

Class 6 Toxicity

6.1E (oral) Acutely Toxic.

6.3A Irritating to the skin.

6.4A Irritating to the eye.

HSNO approved number:

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Certified Handler: Not Applicable

Tracking : Not Applicable

- **16 Other information:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Issue date: 13/09/2021

Review date: 13/09/2026