

SAFETY DATA SHEET



SDS NO: 9009

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Details:

Product Name BIOWash
Other Names(s) Not Applicable
Recommended Use Moss and mould remover
Product Code 8501
DG Class/es 6,8 and 9
UN No: 1903

Supplier Details:

Company APCO COATINGS (NZ) LIMITED
Address 14 Ron Driver Place, East Tamaki, Auckland 2163, New Zealand
Telephone 09 273 3041
Fax 09 273 3045
E Mail contact@apconz.co.nz
Web www.apcocoatings.co.nz

Emergency Telephone Numbers:

NZ POISON 0800 POISON (0800 764 766)
CHEMWATCH 0800 CHEMCALL (0800 243 622)
NZ Emergency Services 111

2. HAZARD IDENTIFICATION

Hazard Classification of the mixture:

Hazchem Category:

6.1D,8.2B,8.3A,9.1A,9.3B

GHS Classification & Legend: Information extracted from the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and the HSNO Act equivalent

Determined By Chemwatch us-Inf: No information at hand

GHS/HSNO Criteria:

HSNO-Health 6.1D Substance is toxic if exposed through the skin, ingested or inhaled.

- GHS Category 4

HSNO-Health 8.2B • Substance causes skin irritation and corrosion

- GHS Category 1B

HSNO-Health 8.3A Substance is toxic if exposed through the eyes causing irritation and/or serious damage to the eyes.

- GHS Category 1

HSNO-Environmental 9.1A, Substance is acutely toxic to the aquatic environment

- GHS Category 1

HSNO- Environmental 9.3B, Substance is ecotoxic to terrestrial vertebrates

- GHS Category N/A

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Visible Identification:

GHS
Label:



Danger Keep out of the reach of Children.

Hazard Statement:

As of March 2009, the relevant New Zealand regulations under the [Hazardous Substances and New Organisms Act 1996](#) do not specify the exact wording required for hazard statements. The following hazards recognised by the GHS apply to this product with the severity dependant on the exposure levels:

Physical Hazard(s)

Not available

Health Hazard(s)

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage

Environmental Hazard(s)

H400: Very toxic to the aquatic environment
H432: Toxic to terrestrial vertebrates

3. COMPOSITION / INFORMATION OF INGREDIENTS

| Components | CAS Number | Proportion |
|--|------------|------------|
| Water | 7732-18-5 | 65-90% |
| Benzyl-C12-16-alkyldimethylammonium chloride | 68424-85-1 | 8-15% |
| Propylene glycol | 57-55-6 | <5% |

4. FIRST AID MEASURES

First Aid Measures:

Eye Contact

Immediately flush eyes with plenty of running water, remove contacts where possible and continue to flush with the eyes wide open. **Seek medical advice.**

Skin Contact

Immediately wash affected area on the skin with soap and water. If skin irritation occurs seek medical advice. Take off contaminated clothing and wash before re-use. **If irritation persists seek medical advice.**

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| | |
|------------------------------|---|
| Inhalation | If breathing is difficult, remove to fresh air and keep the those affected in a comfortable breathing position. If breathing difficulties persist take them to the doctor immediately. |
| Ingestion (Swallowed) | Rinse mouth. Do Not induce vomiting. Chemical swallowed may cause burns in the mouth and throat. Call the poison centre and seek medical advice immediately. |

Advice to Doctors: Treat symptomatically

Emergency overview:

Not available

5. FIRE FIGHTING MEASURES

Hazards from combustion products:

Under fire conditions this product emits toxic fumes.

Extinguishing Media:

- Compatible with all usual extinguishing media

Precautions in connection with fire:

- Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.
- Do Not use high pressure jets on this product as it causes foaming
- This product should be prevented from entering drains and water courses.
- Fire fighting residue must be collected and disposed of according to local and regional regulations.
- Collect contaminated fire extinguishing water separately and Do Not let it discharge into drains.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Environmental precautions

- Do not discharge into the subsoil/soil. Do not allow to enter watercourses or drains.

Additional information

- Floors will become slippery with vigorous flushing and may generate copious amounts of foam.

Large amounts:

- Personnel involved in clean-up require adequate respiratory, skin and eye protection in case of large spillage.

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Disposal and cleaning of equipment:

- Clean all equipment with water
- Use all local and regional bylaws in regards to disposal and clean up.

Methods and materials for containment and clean up:

- Remove leaking containers to a detached area
- Bund spill area and recover product– consider recycling.
- Contain spill with inert material and soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
- Keep in suitable, closed containers for disposal

7. HANDLING AND STORAGE

Avoid contact with eyes and skin. Wear overalls, impervious gloves and safety glasses.

Precautions for safe handling:

- Read product label before use.
- This product and vapours are highly flammable.
- Keep container closed and Handle containers with care.
- Open slowly to control possible pressure release.
- Use outdoors or in well-ventilated area.
- Wear personal protective equipment.
- Wash hands with soap and water after handling.
- Wash protective clothing separate to house hold laundry.

Conditions for safe storage:

- Keep out of reach of children.
- Keep away from heat and sources of ignition.
- Segregate from food and feed sources
- Avoid release to the environment.
- Do Not contaminate drinking water, through storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: No workplace exposure standards established

| Source | Material Name | TWA | STEL | Peak | Notes |
|--|---------------|------|------|------|-------|
| New Zealand Workplace Exposure Standards (WES) | xxxxx | xxxx | xxxx | xxx | xxxxx |

Exposure Controls: wear the appropriate PPE

Personal Protection



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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------------|--------------------------|
| Appearance | Clear, colourless liquid |
| Odour | Slight odour |
| Solubility in water (g/l) | Soluble |
| Flash Point (°C) | Not Flammable |
| Boiling Point (°C) | 100 |
| Melting point / freezing point (°C) | Not Available |
| Vapour Pressure | Not Available |
| Specific Gravity (Kg/Ltr) | 1-1.05 |
| % of Volatile (wt) | Not available |
| pH | 8.5-9.5 |
| VOC (g/l) | Not Available |

10. STABILITY AND REACTIVITY

Stability: Stable at normal temperatures

Incompatible materials: Mild steel, Copper, Copper alloys, Strong acids.

Thermal decomposition: No decomposition if used as prescribed

Hazardous decomposition: Toxic organic vapours/fumes, Amines, CO, CO₂, Nitrogen oxides, Hydrogen Chloride.

Hazardous reactions: No hazardous reactions when handled and stored in accordance with the prescribed instructions.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Irritant effect on skin : Causes burns to skin

Sensitisation effects: Not sensitizing

12. ECOLOGICAL INFORMATION

Large amounts:

Aquatic toxicity : Considered to be very toxic to the aquatic environment.

Mobility: Water: completely soluble

Disposal and cleaning of equipment:

Clean all equipment with water

Use all local and regional bylaws in regards to disposal and clean up.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

- Contain spill with inert material and soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
- Keep in suitable, closed containers for disposal
- Use all local and regional bylaws in regards to disposal

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14. TRANSPORT INFORMATION

Required visible identification (Labels):

Transport
Labels:



HAZCHEM

2X

Land Transport (UN):

UN Number 1903
Packing Group II
UN proper shipping name Disinfectant,liquid,Corrosive,N.O.S
Environmental hazard Follow spill information clause (6)
Sub Classes Not Applicable
Transport hazard class(es) Classes 6,8 and 9 must comply with the Rail Land Transport Rule 45001/1 & NZS 5433:2007
Special precautions

Air Transport (ICAO-IATA / DGR):

UN Number 1903
Packing Group II
UN proper shipping name Disinfectant,liquid,Corrosive,N.O.S
Environmental hazard Follow spill information clause (6)
Sub Classes Not applicable
Classes 6,8 and 9 must comply with AirCivil Aviation
Transport hazard class(es) Rule Part 92, ICAODangerous Goods NZ and International
Special precautions

Sea Transport (IMDG-Code / GGV See):

UN Number 1903
Packing Group II
UN proper shipping name Disinfectant,liquid,Corrosive,N.O.S
Environmental hazard Follow spill information clause (6)
Sub Classes Not Applicable
Classes 6,8 and 9 must comply with Sea Maritime Rule
Transport hazard class(es) 24A and IMDG Dangerous Goods NZ and International
Special precautions

15. REGULATORY INFORMATION

Reference material:

- EPA January 2012 EPA0094, Labelling of hazardous substance.

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- EPA January 2012 EPA0125, Correlation between GHS and New Zealand HSNO Hazard Classes and Categories.
- HSNO act 1996 and Dangerous Goods 2005 and all subsequent amendments.
- Workplace Exposure Standards for Airborne contaminants (ISBN 978-1-74361-055-8) Online pdf
- Health and Safety at Work Act 2015 and the Health and Safety at Work Regulations 2016
- Sea Maritime Rule 24A and IMDG Dangerous Goods NZ and International
- Air Civil Aviation Rule Part 92, ICAO Dangerous Goods NZ and International
- Rail Land Transport Rule 45001/1 & NZS 5433

16. OTHER INFORMATION

Definitions and abbreviations:

| | |
|----------------|--|
| CAS No | Chemical Abstract Number |
| ERMA | Environmental Risk Management Authority |
| PC-TWA | Permissible Concentration – Time Weighted Average |
| PC-STEL | Permissible Concentration – Short Term Exposure Limit |
| HSNO | Hazardous Substance and New Organisms |
| WES | Workplace Exposure Standard |
| TEEL | Temporary Emergency Exposure Limit |
| IDLH | Immediately Dangerous to Life or Health Concentrations |
| OSF | Odour Safety Factor |
| NOAEL | No Observed Adverse Effect Level |
| LOAEL | Lowest Observed Adverse Effect Level |
| TLV | Threshold Limit Value |
| LOD | Limit Of Detection |
| OTV | Odour Threshold Value |
| BCF | BioConcentration Factors |
| BEI | Biological Exposure Index |
| STEL | Short Term Exposure Limit |

Note:

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