

Phosflow Pellets

Section 1: Identification													
Product name:	Phosflow Pellets												
Other names:	-												
Recommended use:	Water treatment product for waterways and effluent.												
Supplier details:	Phoslock Environmental Technologies Ltd Unit D, Level 2, Como Centre South Yarra, Victoria 3141, Australia Phone: +61 3 9110 0002 Email: enquiries@phoslock.com.au												
NZ contact details:	Croptech Consulting Ltd 270 Queen Street, Richmond 7020 Phone: +64 27 4949 016 Email: don.wardle@croptech.co.nz												
24 hour emergency contact:	National Poisons Centre 0800 POISON (0800 764 766)												
Section 2: Hazard identification													
HSNO Approval:	Product is classified as non-hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996.												
Hazardous classification:	Not applicable												
Pictogram:	Not required												
Signal word:	Not required												
Hazard statements:	Not applicable												
Prevention statements:	Not required												
Response statements:	Not required												
Storage statement/s:	Not required												
Disposal statement/s:	Dispose of product and container in accordance with local Regulations. See section 13 for more details.												
Additional label requirements:	Not required												
Section 3: Composition/information on ingredients													
Chemical identity of ingredients with health or environmental hazards:	<table border="1"><thead><tr><th><i>Ingredient</i></th><th><i>CAS No.</i></th><th><i>Proportion w/w</i></th></tr></thead><tbody><tr><td>Aluminium oxide</td><td>1344-28-1</td><td>70 - 90</td></tr><tr><td>Magnesium carbonate</td><td>546-93-0</td><td>1 - 20</td></tr><tr><td>Water</td><td>7732-18-5</td><td>balance</td></tr></tbody></table>	<i>Ingredient</i>	<i>CAS No.</i>	<i>Proportion w/w</i>	Aluminium oxide	1344-28-1	70 - 90	Magnesium carbonate	546-93-0	1 - 20	Water	7732-18-5	balance
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Water	7732-18-5	balance											
Section 4: First-aid measures													
First aid measures:	If medical advice is needed, have product container or label at hand. For advice contact National Poisons Centre on 0800 POISON [0800 764 766] or a doctor.												

Phosflow Pellets

Inhalation:	Remove person to fresh air and keep at rest in a position comfortable for breathing until recovered. Get medical advice if person feels unwell.
Ingestion:	Do not induce vomiting. Rinse mouth. Get medical advice if person feels unwell.
Skin contact:	Wash skin with plenty of water.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.
First aid facilities:	Provide eye baths and safety showers close to areas where product contact or splashing may occur.
Advice to doctor:	Treat symptomatically.

Section 5: Fire-fighting measures

Flammability:	Non-flammable. Not a fire or explosion hazard.
Appropriate extinguishing media:	Foam, water spray, dry powder; as appropriate to surrounding materials.
Combustion products:	Smoke and unidentified compounds that may be irritating and toxic.
Special protective equipment and precautions for fire-fighters:	Wear protective equipment including self-contained breathing apparatus (SCBA).
HAZCHEM code:	-

Section 6: Accidental release measures

Personal precautions:	Ensure adequate ventilation. Avoid contact of dust with skin and eyes. Wear gloves and eye protection. Wear respiratory protection if there is a risk of inhaling dust. Contain spill.
Environmental precautions:	Use a dry clean up method, e.g. vacuum. Do not generate dust. Recover/collect into labelled dry container that can be sealed, for re-use or disposal.
Procedure for clean up:	Wash down area after clean up. Dispose of contaminated waste to approved landfill.

Section 7: Handling and storage

Safe handling:	Read label before use. Wear personal protective equipment. Wash hands/exposed skin before rest or meal breaks and at end of shift. Wash contaminated clothing and equipment before re-use.
Safe storage:	Keep out of reach of children. Keep container tightly closed when not in use. Store in cool, well-ventilated area away.

Section 8: Exposure controls/personal protection

Occupational exposure limits:

<i>Ingredient</i>	<i>Exposure</i>	<i>Form</i>	<i>WES-TWA</i>
Aluminium oxide	Inhalation	Dust	10 mg/m ³

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Phosflow Pellets

Biological limit value:	None set.
Engineering controls:	Use with adequate ventilation, i.e. outdoors, or in well-ventilated area.
Respiratory protection:	Not required with adequate ventilation. If risk of inhalation, wear respirator fitted with particulate filter, or wear a respirator.
Hand protection:	Waterproof gloves, e.g. PVC, nitrile.
Eye protection:	Chemical goggles, safety glasses with side shields or face shield.
Skin protection:	Overalls and closed in boots recommended.
General hygiene:	Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing/equipment daily after work.
Personal Protection:	Further information on specific types of personal protective gear and related standards is available in Section 16.

Section 9: Physical and chemical properties

(a) Appearance:	Solid spherical pellets
(b) Odour:	Odourless
(c) Odour threshold:	Not available
(d) pH:	No data available
(e) Melting point/freezing point:	No data available
(f) Initial boiling point and boiling range:	Not applicable
(g) Flash point:	Not applicable
(h) Flammability (solid, gas):	Non-flammable
(i) Upper/lower flammability or explosive limits:	Not applicable
(j) Vapour pressure:	No data available
(k) Vapour density:	Not applicable
(l) Relative density:	0.5 – 0.6 g/ml
(m) Solubility:	Insoluble in water
(n) Partition coefficient: n-octanol/water:	No data available
(o) Auto-ignition temperature:	No data available
(p) Decomposition temperature:	No data available
(q) Kinematic viscosity:	Not applicable
(r) Particle characteristics:	No data available

Section 10: Stability and reactivity

Stability of the substance:	Stable under normal conditions of storage and use.
Conditions to avoid:	Storage with strong bases or strong acids.

Phosflow Pellets

Incompatible materials:	None identified.
Hazardous decomposition products:	Not known to occur under normal conditions of storage and use.
Section 11: Toxicological information	
(i) Acute toxicity:	Toxicity classifications determined by assessment of the components in the formulated mixture. Not classified as harmful if ingested, in contact with skin or inhaled.
(ii) Aspiration hazard:	Not classified as aspirant hazard.
(iii) Respiratory irritation:	Dust may be irritating if inhaled.
(iv) Skin corrosion / irritation:	Not classified.
(v) Serious eye damage / irritation:	Not classified.
(vi) Respiratory or skin sensitisation:	Not classified.
(vii) Germ cell mutagenicity:	Not classified.
(viii) Carcinogenicity:	Not classified.
(ix) Reproductive toxicity:	Not classified.
(x) Specific organ toxicity:	Not classified Inhalation of particulates (dust) can impair respiratory (lung) function and aggravate pre-existing respiratory conditions.
(xi) Narcotic effects:	Not classified.
Toxicological information:	Not available.
Section 12: Ecological information	
(a) Aquatic toxicity:	Ecotoxicological classifications determined by assessment of the components in the formulated mixture. Not classified.
(b) Soil environment:	Not classified.
(c) Terrestrial vertebrate toxicity:	Not classified.
(d) Terrestrial invertebrate toxicity:	Not classified.
(e) Persistence and degradability:	Not classified.
(f) Potential to be bioaccumulative:	No data available.
(g) Mobility in soil:	No data available. No data available.
Ecotoxicological information:	Not available
Section 13: Disposal considerations	
Product disposal:	Dispose of this product only by using according to the label or through industrial waste service or to an approved landfill.

Phosflow Pellets

Container disposal:	Recycle if possible or dispose of to an appropriate recycling facility. Alternatively, crush and bury in an approved landfill. Do not use container for any other purpose.
Section 14: Transport information	
UN number:	Non-regulated
UN proper shipping name:	-
UN class:	-
Subsidiary risk:	-
Packing group:	-
Environmental hazards:	-
Special precautions:	-
Other Information:	This product is not classified as a Dangerous Good. Consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2020 Transport of Dangerous Goods on Land for more information.
Section 15: Regulatory information	
HSNO:	Non-hazardous substance
Approval number:	Not required See www.epa.govt.nz
Tolerable exposure limit / environmental exposure limit:	None set.
HSNO controls:	Not applicable
Additional controls:	Not applicable
ACVM:	Exempt registration under the Agricultural Compounds Veterinary Medicines Act 1997.
Registration number:	Not applicable.
Conditions of registration:	See www.foodsafety.govt.nz
Section 16: Other information	
Date of issue:	31/08/2022
Reason for reissue:	NZ SDS
Replaces:	Not applicable
Information references:	Supplier Safety Data Sheet NZ EPA Approved hazardous substances with controls Workplace Exposure Standards and Biological Exposure Indices
Abbreviations:	ACVM: Agricultural Chemicals and Veterinary Medicines Group ECHA: European Chemicals Agency HSNO: Hazardous substances and New Organisms Act 1996 (HSNO Act) EPA: Environmental Protection Authority of New Zealand CAS Number: Chemical Abstracts Service Number LD50: Lethal Dose 50% (Population) LC50: Lethal Concentration 50% (Population) WES-TWA: Workplace exposure standards – Time-weighted average

Phosflow Pellets

Personal Protection Standards:

WES-STEL: Workplace exposure standards – Short-term exposure limit

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

The data provided in this safety data sheet is based on current knowledge and experience. The purpose of this document is to describe the product in terms of its safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.