DUAL CLEAN: 2 in 1 Pipe Degreaser and Cartridge Filter

Issue Date: 12/09/2025

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Identifier
Product Name: PoolFlow Dual Clean
GHS Product Identifier: 2 in 1 Pipe Degreaser and Cartridge Filter

Recommended use of the chemical
Powerful formula that restores optimal flow and filtration efficiency

Details of Manufacturer
BOND CHEMICALS Pty Ltd
Factory 5
Jimmy Place
North Laverton
VIC 3026

Phone Number: 0429 625 750
E-mail Address: info@poolflow.au
Website: www.poolflow.au
ABN: 491 505 672 67

SECTION 2 - HAZARD IDENTIFICATION

GHS classification of substance/mixture
This product is classified as a POISON in schedule 3 of Home Swimming Pool and SPA Products Standard, 2014; APVMA.*
Classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail; 7.7 edition.*
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)* including Work, Health and Safety Regulations, Australia.

Eye Damage/Irritation; Category 1 Skin
Corrosion/Irritation; Category 1C
Hazardous to the Aquatic Environment – Acute Hazard; Category 1

Signal Word (s)
WARNING
Pictogram (s):

Hazard Statement

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statement (s)

Prevention

P280 Wear protective gloves/eye protection/face protection
P261 Avoid breathing dust
P271 Use only outdoors or in a well ventilated area

Response

P302 + P352	IF ON SKIN: Wash with plenty of water
P337 + P313	If eye irritation persists, get medical advice
P312	Call a POISON CENTRE or doctor if you feel unwell
P332 + P313	If skin irratation occurs: get medical advice
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage

P403 + P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Other Information

In Australia and New Zealand, the POISONS CENTRE is the Poisons Information Centre; Australia: Telephone 13 11 26; New Zealand Telephone 0800 764 766

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Ingredients Toxicity Data

Name	Formula	CAS Number	Proportion
Trisodium phosphate, dodecahydrate	Na3PO4.12H2O	10101-89-0	98-100%

SECTION 4: FIRST AID MEASURES

Inhalation

IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply artificial respiration if victim is not breathing. Do not use mouth to mouth method if a victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Ingestion

IF SWALLOWED: Rinse mouth, then drink plenty of water. Do NOT induce vomiting. If vomiting occurs naturally, rinse mouth and repeat administration of water. For advice, contact a Poisons Information Centre or a doctor (at once). Never give anything by mouth to a victim who is unconscious or having convulsions.

Skin Contact

IF ON SKIN: Remove contaminated clothing and foot wear and flush skin and hair with running water for at least 15 minutes. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing thoroughly before re-use.

Eye Contact

IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open amd occasionally lifting the upper and lower lids. Remove contact lenses, if fitted, before flushing with water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor, or for at least 15 minutes. If eye irritation persists, get medical attention/advice.

First Aid Facilities

An eye wash unit, a shower and drinking quality water should be readily accessible in the work area for swimming pool and spa cleaning contractors or be adjacent to the swimming pool or spa in the recreational environment. Mild soap should be available to aid washing of the skin.

Advice to Doctor

Provide general supportive measures and treat symptomatically.

Medical Conditions Aggravated by Exposure

No information available

Indication of immediate medical attention and special treatment if necessary

For advice, contact Poisons Information Centre, Phone Australia 13 11 26; New Zealand: 0800 764 766 or a Doctor.

SECTION 5: FIRE FIGHTING MEASURES

General Measure
If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after the fire is out.

Flammability Conditions
Trisodium phosphate, dodecahydrate is not combustible and does not contribute to the intensity of a fire.

Suitable Extinguishing Media
If material is involved in a fire, use methods for the surrounding fire and other materials involved in the fire.

Fire and Explosion Hazard
Closed containers exposed to heat may explode. Solutions can react with metals, such as aluminium, zinc and galvanized iron, to produce highly flammable hydrogen gas, which may explode if ignited.

Hazardous Products of Combustion
When involved in a fire, this material may decompose and produce irritating vapours, acrid smoke and toxic gases, combustion including oxides of phosphorous.

Special Fire Fighting Instructions
Contain runoff from fire control or dilution water - Runoff may causes pollution.

Personal Protective Equipment
Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Flash Point
No Data Available

Lower Explosion Limit
No Data Available

Upper Explosion Limit
No Data Available

Auto Ignition Temperature
No Data Available

Hazchem Code
No Data Available

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Response Procedure
Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures
With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area. If sweeping of a contaminated area is necessary use a dust suppressant agent, which does not react with product.

Containment
Stop leak if you can do it without risk. Contain the discharged material - Prevent entry into waterways, sewers, basements or confined areas.

Decontamination
Thoroughly wash the area after a spill or leak clean-up.

Environmental Precautionary Measures
Do not allow the spilled product to enter public drainage system or open water courses.

Evacuation Criteria
Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Evacuate the area promptly and keep upwind of the spilled material.

Personal Precautionary Measures
Use personal protective equipment as required (see SECTION 8).

SECTION 7: STORAGE AND HANDLING

Precautions for Safe Handling
Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. All employees who handle this material should be trained to handle it safely. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).

Storage
Store in a cool, dry and well-ventilated place, out of direct sunlight. Avoid freezing. Keep container tightly closed when not in use. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10). Keep this material away from food, drink and animal feed. Store locked up. Material should be stored in secondary containers or in a diked area, as appropriate.
*Use corrosion-resistant structural materials, lighting and ventilation systems in the storage area. Floors should be sealed to prevent absorption of this material. Have appropriate extinguishing equipment in the storage area.

Container
Keep in the original container. Do not store this material in open or unlabelled containers. Inspect all incoming containers before storage, to ensure containers are properly labelled and not damaged. *Empty containers may contain residual particulates; therefore, empty containers should be handled with care. Do not cut, grind, weld, or drill near this container. Never store food, feed, or drinking water in containers that held this product.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

General
No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards:
- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust).
- New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3 (total); TWA = 3 mg/m3 (respirable).

Exposure Limits
No Data Available

Biological Limits
No information available.

Engineering Measures
A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment
- Respiratory protection: None required where adequate ventilation conditions exist. In case of inadequate ventilation, wear respiratory protection. Recommended: If airborne concentration is high, use an appropriate respirator or dust mask.
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Wear safety glasses (or goggles).
- Hand protection: Wear protective gloves. Recommended: Use impervious gloves. Gloves should be tested to determine their suitability for prolonged contact with this material.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Protective apron.

Special Hazards Precautions
No information available

Work Hygienic Practices
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before storage or reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance:	CRYSTALLINE POWDER
Odour:	ODOURLESS
Colour:	White
pH:	12.0 (1% solution)
Vapour Pressure:	17.5mm Hg @ 20 degrees
Relative Vapour Density	No Data Available
Boiling Point:	Not Determined
Melting Point	73 Degrees Celsius
Solubility (Water):	SOLUBLE IN WATER (28g/100ml) 16 degrees celsius
Specific Gravity:	1.62
Flash Point:	No Data Available
Auto Ignition Temp:	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	380.12
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperatur	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	No information available.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Properties That May Initiate or Contribute to Fire Intensity	Trisodium phosphate, dodecahydrate is not combustible and does not contribute to the intensity of a fire.
Reactions That Release Gases or Vapours	This material may decompose and produce irritating vapours, acrid smoke and toxic gases, including oxides of phosphorous.
Release of Invisible Flammable Vapours and Gases	Solutions can react with metals, such as aluminium, zinc and galvanized iron, to produce highly flammable hydrogen gas, which may explode if ignited.

SECTION 10: STABILITY AND REACTIVITY

General Information: Trisodium Phosphate can react with air to form disodium phosphate and sodium carbonate. Trisodium phosphate forms strong caustic solution, similar to soda lye.

Chemical Stability

Stable under conditions of standard temperature and pressure.

Conditions to Avoid

Avoid high temperatures, exposure to air and incompatible materials.

Materials to Avoid

Trisodium phosphate is incompatible with strong acids and may react violently; in solution reaction may cause splattering. In solution, Trisodium phosphate will react with metals such as aluminium, zinc and galvanized iron to form flammable hydrogen gas. Trisodium phosphate may react violently with magnesium. Trisodium phosphate can be corrosive to some metals, including aluminium, zinc and tin. Trisodium phosphate is corrosive to grey cast iron at high temperatures and may be corrosive to steel or brass, if wet.

Hazardous Decomposition Products

This material may decompose and produce irritating vapours, acrid smoke and toxic gases, including oxides of phosphorous. Solutions can react with metals such as aluminium, zinc and galvanized iron to produce highly flammable hydrogen gas that may explode if ignited.

Hazardous Polymerisation

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

General Information:

Acute toxicity: Ingestion of this product in large volumes may irritate or burn the tissues of the mouth, oesophagus and other tissues of the digestive system. Symptoms of exposure can include vomiting, diarrhoea, and nausea. In severe cases, death may result. The estimated fatal dose of sodium phosphates is 50 g. Skin corrosion/irritation: Cause skin irritation. This product can cause moderate to severe irritation of the skin, depending on duration and concentration of exposure. Severe exposure or contact in the presence of moisture, or if product is in solution can cause burns. Alkalis penetrate skin slowly. The extent of damage therefore depends on duration of contact. Repeated skin contact to low levels may lead to dermatitis (red, cracked skin). Eye damage/irritation: Causes serious eye irritation. Exposure to particulates or solution of this product may cause moderate to severe irritation of the eyes, including burns, depending on duration and concentration of contact. Severe contact with the eyes can cause corneal injury, including clouding and burns, which could lead to blindness. Permanent damage (cloudiness of the cornea) has resulted from contact with Trisodium phosphate, anhydrous solution, in two case reports, one involving hot solution. Concentrations were not reported. In another case report, injury occurred as a result of a splash of aqueous solution, but healed within 48 hours (concentration not reported).

Respiratory/skin sensitisation: No information available. Germ cell mutagenicity: No information available.
Carcinogenicity: Trisodium phosphate is not considered carcinogenic by ACGIH, IARC, NIOSH, NTP or OSHA. -
Reproductive toxicity: No information available.
STOT (single exposure): May cause respiratory irritation. Breathing dusts or particulates generated by this product or to mists if in solution, can lead to moderate to severe irritation of the nose, throat or respiratory system, depending on duration and concentration of exposure. Symptoms of minor exposure could include coughing, wheezing, and shortness of breath. Severe inhalation exposure can result in pulmonary edema (a condition of fluid in the lungs), which can be fatal.
STOT (repeated exposure): Long term skin overexposure to this product may lead to dermatitis (red, itchy skin).

Aspiration toxicity: No information available.

Acute

Ingestion	Acute toxicity (Oral) LD50, Rat: 7,400mg/kg
Other	Acute toxicity (Dermal): LD50, Rat: >7940 mg/kg
Carcinogen Category	None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No information available
Persistence/Degradability	No information available
Mobility	No information available
Environmental Fate	Product can be dangerous to aquatic life in high concentrations as it will increase the pH of the aquatic environment
Bioaccumulation Potential	Product is not expected to accumulate in the food chain
Environmental Impact	No data available

SECTION 13: DISPOSAL CONSIDERAION

General Information
Dispose of waste materials in accordance with relevant state, territorial or Commonwealth waste disposal regulations.

Container Disposal
Rinse 'empty' containers with water. Return rinsed containers to plastic recycle system or include in general waste disposal system. In recreational usage, rinse containers with pool or spa water before disposal. DO NOT use "empty" or rinsed containers for storage or packaging of other liquids or foodstuffs.

SECTION 14: TRANSPORT INFORMATION

Land Transport (Australia)
ADG Code

U.N. Number	No Data Available
UN Proper Shipping Name:	Trisodium phosphate, dodecahydrate
Class	No Data Available
Subsidiary Risk	No Data Available
Packing Group	No Data Available
Hazchem Code	No Data Available
Special Provision	No Data Available
Comments	NON DANGEROUS GOODS: Not regulated for LAND transport

Sea Transport
IMDG Code

UN Proper Shipping Name:	Trisodium phosphate, dodecahydrate

U.N. Number	No Data Available
Class	No Data Available
Subsidiary Risk	No Data Available
Packing Group	No Data Available
Hazchem Code	No Data Available
Special Provision	No Data Available
Comments	NON DANGEROUS GOODS: Not regulated for SEA transport

Air Transport
IATA DGR

UN Proper Shipping Name:	Trisodium phosphate, dodecahydrate
U.N. Number	No Data Available
Class	No Data Available
Subsidiary Risk	No Data Available
Packing Group	No Data Available
Hazchem Code	No Data Available
Special Provision	No Data Available
Comments	NON DANGEROUS GOODS: Not regulated for AIR transport

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification
NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

SECTION 14: REGULATION INFORMATION

General Information	ALKALINE SALTS
Poisons Schedule	Schedule 5

National/Regional Inventories

Australia (AIIC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACh)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (List of Classified Substances)	Not Determined
New Zealand (NZIoC)	Listed
Philippines	Not Determined
Taiwan (TCSI)	Not Determined
USA (TSCA)	Not Determined
Mexico (INSQ)	Not Determined

SECTION 15: OTHER INFORMATION

Date of preparation or last revision of SDS
Safety Data Sheet (SDS) issued on June 8, 2022. SDS is prepared in compliance with the National Code of Practice for Preparation of SDS*.

References
TRSODF4100, TRSODF8100, TRSODF8400, TRSODF8700, TRSODF8701, TRSODF8702, TRSODI0700, TRSODI0800, TRSODI0801, TRSODI0802, TRSODI0805, TRSODI0810, TRSODI0820, TRSODI0900, TRSODI1000, TRSODI1001, TRSODI1002, TRSODI1003, TRSODI1004, TRSODI1005, TRSODI1006, TRSODI1007, TRSODI1008, TRSODI1009, TRSODI1010, TRSODI1011, TRSODI1012, TRSODI1013, TRSODI1014, TRSODI1015, TRSODI1016, TRSODI1017, TRSODI1018, TRSODI1019, TRSODI1020, TRSODI1021, TRSODI1022, TRSODI1023, TRSODI1024, TRSODI1025, TRSODI1500, TRSODI1800, TRSODI1801, TRSODI1802, TRSODI1803, TRSODI1804, TRSODI1805, TRSODI2000, TRSODI2001, TRSODI2002, TRSODI2003, TRSODI2004, TRSODI2005, TRSODI2006, TRSODI2007, TRSODI2700, TRSODI3000, TRSODI3001, TRSODI3002, TRSODI3003, TRSODI3004, TRSODI3005, TRSODI3006, TRSODI3007, TRSODI3008, TRSODI3010, TRSODI3100, TRSODI3101, TRSODI3115, TRSODI3502, TRSODI3503, TRSODI3525, TRSODI4000, TRSODI4200, TRSODI4301, TRSODI4500, TRSODI7000, TRSODI7800, TRSODI8000, TRSODI9000, TRSODI9100, TRSODI9500, TRSODI9600, TRSODI9700, TRSODI9800, TRSODI9900

Contact Person/Point
BUSINESS HOURS: **Product Information Officer, 0429 625 750**

DISCLAIMER: This SDS summarises our best knowledge of the health and safety hazard information of this product and how to safely handle and use the product. Each user must review this SDS in the context of how the product will be handled and used. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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