

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1: Identification of the Substance/Mixture and of the Supplier

Product: **TURBO STEAM POWDER**
Product Use: Carpet and Cleaning Detergent
Restriction of Use: Refer to Section 15

Company Details: **Professional Cleaning Supplies Ltd**
Address (Distribution Warehouse) 54a Tidal Rd, Mangere
Auckland. New Zealand

Telephone: 027-4788992
E-mail: profcleaningsupplies@gmail.com

Emergency No: **027-4788992 (24 hours)**
0800 764 766 (National Poison Centre)

Date of SDS Preparation: 22 July 2025 v6

Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Cleaning Products (subsidiary) - HSR0002530

Pictograms:



Irritant

Signal Word: **Warning**

HSNO Classes	Hazard Code	Hazard Statement
6.1D	H302	Harmful if swallowed
6.3B	H316	Causes mild skin irritation.
6.4A	H319	Causes serious eye irritation.
6.5A	H334	May cause allergy symptoms/breathing difficulties if inhaled
9.1C	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children
P103	Read label before use.
P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing as detailed in Section 8.

Response code	Response Statement
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.

P337 + P313

If eye irritation persists: Get medical advice/attention.

Storage Code
None allocated

Storage Statement

Disposal Code
P501

Disposal Statement
Refer to Section 13.

Section 3: Composition/Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non Ionic Surfactant	< 10	84133-50-6
Sequestering agents	< 10	
Alkaline Salts	< 10	
Sodium Tripoly Phosphate	< 60	7758-29-4
Non-hazardous/triggered ingredients	To bal	Proprietary

Section 4: First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on Skin	Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Rinse mouth. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion	Not applicable.
Inhalation	Not applicable.
Skin	Causes mild skin irritation.
Eyes	Causes serious eye irritation.
Chronic	Not applicable.

Section 5: Fire Fighting Measures

Hazard Type	Non Flammable.
Hazards from Decomposition products	Burning can produce Carbon Monoxide &/or Carbon Dioxide
Suitable Extinguishing media	All
Precautions for firefighters and special protective clothing	Wear full protective gear.

Section 6: Accidental Release Measures

Wear protective clothing as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter waterways.

Sweep and contain for correct disposal. Alternatively for small spills, dilute and mop up with plenty of water and run to waste, diluting with copious amounts of running water. Dispose as per Section 13.

Section 7: Handling and Storage

PROCEDURE FOR HANDLING

- Read label before use.
- Avoid breathing dusts in supplied form and fumes, vapours or spray in diluted form.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Check regularly for spills.
- Wear protective gloves/protective clothing as detailed in Section 8.

STORAGE REQUIREMENTS

- Store in a cool, dry, well ventilated place, out of the reach of children.
- Large quantities should be stored in a bunded area.
- Store in original container.
- Keep away from acids and oxidizing agents.
- Prevent dust vapours from collecting in low-lying or enclosed spaces.
- Protect from physical damage.
- Avoid moisture contamination, ensure lid is secure and airtight after every use.

Section 8: Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Personal Protection Equipment



Engineering Controls:	Local ventilation
Eye / Face Protection:	Full face protection
Body Protection:	Not required, but if handling in bulk wear protective gloves and overalls.
Respiratory Protection:	Not required, but if handling in bulk use approved dust mask.

Section 9: Physical and Chemical Properties

Appearance	Free flowing powder
Colour	White
Odour	Citrus/Lemon (Mild)
Odour Threshold	Not available
pH (1%)	10.9 ± 1.0
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	Not available
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Solubility in Water	Complete
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10: Stability and Reactivity

Stability of the Substance: Stable under normal storage and use conditions.

Conditions to avoid: None known.

Materials to avoid: Oxidising agents and acids.

Hazardous Decomposition Products: Carbon dioxide/carbon monoxide

Conditions Contributing to Hazardous Polymerization None known.

Section 11: Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes severe eye irritation.
Skin	Causes mild/severe skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Non Ionic Surfactant	2590mg/kg(rat)	2830 mg/kg (rabbit)	-

Section 12: Ecotoxicological Information

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.

Environmental Precautions: Do not allow product to wash into waterways.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details):

Non Ionic Surfactant (Cas No 84133-50-6)

Route	Species	Duration	Value LC50/EC50
Acute Aquatic, fish	Lepomis Macrochirus Bluegill Sunfish	96 hr (static)	1.3 mg/L
Chronic, Aquatic fish	Medaka	-	0.0082 mg/l
Aquatic, Crustacean	Daphnia Pulex Water flea	48 hr	4.8 mg/L
Algae	-	-	27 to 2500 (g/L)
Bioaccumulative	No		
Rapidly Degradable	Yes		

Section 13: Disposal Considerations

Disposal Method:

Triple rinse container and dispose according to Local Regulations.

Precautions or methods to avoid: Avoid release to the environment.

Section 14: Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products (subsidiary) - HSR002530

HSNO Classification: 6.3B, 6.4A, 9.1C

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (9.1C)
Emergency Response Plan	1000L (9.1C)
Secondary Containment	1000L (9.1C)
Restriction of Use	None

Section 16: Other Information

Glossary

EC₅₀

Median effective concentration.

EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value - an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

Professional Cleaning Supplies Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

For General Information: Professional Cleaning Supplies Ltd
Phone: 0274788992
E-mail: profcleaningsupplies@gmail.com

Issue Date: 22 July 2025

Review Date: 22 July 2030