

SAFETY DATA SHEET

Hazardous according to the criteria of NOHSC.

Section 1: Product and Company Identification:



Heat Action

In-Tank Extraction Detergent Powder for Synthetic Carpets

Cleaning Systems Ltd
659 Great South Road
Penrose, Auckland, 1061
New Zealand

Phone: (09)579 4114
E-Mail: www.cleaningsystems.co.nz

For 24hr Emergency Advice: Call the National Poisons & Hazardous Chemical Information Centre (03) 474-7000 or Emergency Services dial 111

Date of MSDS Preparation: 1 January 2012

Section 2: Hazard Identification

HAZARDOUS SUBSTANCE ACCORDING TO THE CRITERIA OF NOHSC.
NON DANGEROUS GOODS ACCORDING TO THE Australian Dangerous Goods Code

Product Name: Heat Action
Product Code: -
Risk Phrase: R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin
Safety Phrases: S(1) Keep out of reach of children
S24/25 Avoid contact with skin and eyes.

Section 3: Composition and Information on Ingredients

INGREDIENTS

All hazardous substances as defined by the NOHSC code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous."

CHEMICAL NAME	CAS No.	PROPORTION
Sodium Carbonate	497-19-8	10-<30%
DiSodium Metasilicate	6834-92-0	10-<30%
Non-ionic & Anionic Surfactants	blend	10-<30%
Phosphate Complexing Agents	blend	>60%
Non-hazardous ingredients		10-<30%

Section 4: First Aid

Swallowed: If poisoning occurs, immediately contact a doctor or a Poisons Information Centre Tel 0800 764 766. Do NOT induce vomiting. Give 3 glasses of water.

Eyes: In case of contact with eyes, flush immediately under running water (ensure eyelids are held open) for 15 minutes. If irritation persists contact a doctor or Poisons Information Centre.

Skin: Remove contaminated clothing immediately and wash skin thoroughly with soap and water. Seek medical advice if irritation persists.

Inhaled: Remove from contaminated area. Apply artificial respiration if not breathing.

First Aid Facilities: Normal washroom facilities.

Advice to doctor: Treat symptomatically.

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Section 5: Fire Fighting Measures

- Flammability:** Not flammable or combustible.
- Fire/Explosion Hazard:** Use dry chemical, foam or water fog. Wear full body protective clothing with self-contained breathing apparatus (SCBA) and protective gloves. Prevent by any means available to prevent any spillage entering a watercourse.
- Hazardous Combustion Products:** None known

Section 6: Accidental Release Measures

- Spills and Disposals:** **Large Spills** - Pick up using a plastic shovel and place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.
- Small Spills** – Flush away with copious amounts of water.
- Personal Protective Equipment:** Refer to Section 8 of this MSDS for PPE required.

Section 7: Safe Handling Information

- Storage & Transport:** Store in a cool place and out of direct sunlight. Keep container sealed when not in use. Store locked up and out of reach of children. Only store in the original container as supplied by the manufacturer.
- Handling:** Always use recommended Personal Protective Equipment (see section 8 of this MSDS). Do not mix with any other chemical unless expressly recommended by the manufacturer.

Section 8: Exposure Controls and Personal Protection

- Exposure Standards:** No exposure standards have been assigned to this product.
- Engineering Controls:** Maintain adequate ventilation at all times. Avoid dusting product. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.
- Personal Protection Equipment:**
- Gloves – NBR, vinyl gloves or other chemical resistant gloves.
 - Goggles – Avoid contact with eyes. If eye contact is possible then use chemical goggles.
 - Respiratory Protection – Not normally required. If used in confined spaces, select and use respirators in accordance with AS/NZS 1715/1716. The use of half-face P1 (dust/mist)respirator with replaceable filters is recommended.

Section 9: Physical and Chemical Properties

- Appearance:** Orange / Pink free flowing powder with a lemon fragrance.
- Boiling Point:** Not relevant
- Vapour Pressure:** Not relevant
- Specific Gravity:** Not relevant
- Flashpoint:** Not flammable
- Flammability Limits:** Not flammable
- Solubility in Water:** Soluble up to 150g / Lt (25°C)
- OTHER PROPERTIES**
- Corrosiveness:** Not corrosive.
- Reactivity:** Not reactive.
- pH:** 11.0 – 11.5 (1% sln) 9.8–10.2 (0.1% sln)

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Section 10: Stability and Reactivity

Stability:	Stable under normal conditions of use.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong acids.
Conditions to avoid:	Incompatibilities.

Section 11: Toxicological Information

HEALTH EFFECTS

ACUTE

Swallowed:	Will cause irritation and possible burns to mouth, throat and stomach with effects including mucous build-up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhea.
Eye:	Will cause severe irritation to the eyes with effects including: tearing, pain, and temporary blurred vision.
Skin:	Will cause irritation to the skin, with effects including; redness, itching and drying/defatting.
Inhaled:	Inhalation from product dusting is unlikely as the powder is moist.

CHRONIC	Prolonged or repeated skin contact may lead to dermatitis. Prolonged or unattended eye contact may lead to permanent blindness.
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Toxicological Information: There is no toxicological information for the product **Heat Action**, however for the ingredient:

Sodium Tripolyphosphate

Oral LD50 (rat):	4100 mg/kg
Dermal LD50 (rabbit):	>7940mg/kg

Section 12: Ecological Information

Ecological Information: There is no ecological information for the product **Heat Action**.

Section 13: Disposal Considerations

Disposal Methods:	Recycle all plastic containers using suitable local council recycling facilities. Rinse out the container with clear water. Avoid tipping product directly into the sewer system.
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Section 14: Transport Information

Heat Action is not classified as a Dangerous Good for transport or storage.

UN Number:	Not allocated
Dangerous Goods Class and Subsidiary Risk:	Not allocated
Proper Shipping Name:	Not allocated
Hazchem Code:	Not allocated
Poisons Schedule No:	Not allocated

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Section 15: Regulatory Information

Poisons Scheduling:	Schedule 5
	<u>Standard Statements</u>
A	For advice, contact a Poisons Information Centre (Tel 131 126) or a doctor
G3	If swallowed do NOT induce vomiting.
E2	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (tel 131 126) or a doctor or for at least 15 minutes.
S1	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
	<u>Warning Statements</u>
4	Strongly alkaline
	<u>Safety Statements</u>
1	Avoid contact with eyes.
4	Avoid contact with skin.
S5	Avoid breathing dust. (concentrate only)

Section 16: Other Information

Contact Point: Poisons Information Centre Tel 0800 764 766
Last MSDS Revision: 1 January 2011

Sources:

- National Code of Practice for the Preparation of Material Safety Data Sheet 2nd Edition [NOHSC: 2011(2003)]
- National Standard for the Storage and Handling of Workplace Dangerous Goods [NOHSC:1015(2001)]
- Hazardous Substances Information System Data Base 26 July 2011
- Australian Dangerous Goods Code 6th Edition
- Standard for the Uniform Scheduling of Medicines and Poisons No.2 August 2011

Abbreviations:	ppm	-	parts per million
	TLV	-	Threshold Limit Value
	mmHG	-	millimetres of Mercury (Hg) – this is a unit of pressure
	CAS No.	-	Chemical Abstracts Service Registry Number
	TWA	-	Time Weighted Average
	STEL	-	Short Term Exposure Limit
	PEL	-	Permissible Exposure Limit.
	< & >	-	< Less Than > Greater Than
	UN	-	United Nations
	AICS	-	Australian Inventory of Chemical Substances
	LC50	-	Lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
	LD50	-	Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

Note: This Material Safety Data Sheet has been compiled in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]

DISCLAIMER:

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