

# SAFETY DATA SHEET

## PRODUCT AND COMPANY IDENTIFICATION:

### CLEANING SYSTEMS LTD

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### POWERBREAK

## HAZARD IDENTIFICATION:

This product is hazardous and has the following HSNO Hazard Classification(s):

6.3A, 6.4A, 8.2C, 8.3A

Approved under the Industrial & Institutional Cleaning Products Group Standard and does not require an individual HSR Approval Code

## COMPOSITION & INFORMATION ON INGREDIENTS:

CAS NO: 497-19-8 Sodium Carbonate	10-<30%
CAS NO: 6834-92-0 Disodium metasilicate	5-<10%
CAS NO: 7758-29-4 Sodium Tripolyphosphate	30-<50%
Non-ionic & Anionic non-hazardous surfactants	10-<20%
Balance of non-hazardous ingredients	

## FIRST AID MEASURES:

Contact with eyes:	Immediately irrigate eyes with running water for 15 minutes. If irritation persists seek medical advice.
Contact with skin:	Remove contaminated clothing. Wash affected areas with soap & water immediately.
After ingestion:	DO NOT Induce Vomiting. Administer approx +500mls (3 cups) of water (rinsing mouth first) and seek medical advice immediately.
After inhalation:	Remove patient from exposure into fresh air immediately. Place in recovery position & keep warm. If breathing difficult apply oxygen thru mask. If not breathing apply Artificial Respiration immediately. If heart has stopped apply CPR. Call emergency services.

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

Advice to Medical Personnel: Treat symptomatically.

## FIRE FIGHTING MEASURES:

Not Flammable or Combustible.  
 Foam, CO2, Water Fog or Dry Chemical.  
 Always use SCBA & protective clothing when this material is involved in a fire.  
 Prevent any spills from entering a waterway.

## ACCIDENTAL RELEASE MEASURES:

Small Spills:	Contain spillage using absorbant material & prevent any run-off to stormwater or unidentified drain system. Absorb & collect all recovery materials/residues in a container.
Large Spills:	Notify Emergency Services immediately if the spill is too big to recover safely. Wear full body PPE with breathing apparatus. Evacuate all un-protected persons from environment. Follow small spill protocol if this can be done safely.

## HANDLING AND STORAGE:

Keep away from children. Store in a cool, dark, dry place.  
 Handle to prevent damage to containers. Should containers be damaged and repacking necessary, use clean containers & labels of the same type.  
 Always replace lids and caps after using this product; and should be closed tight. Return all containers to safe storage after use.  
 DO NOT MIX with other products unless authorized by the manufacturer to do so.

## EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls:	For professional use only by trained personnel. Only use in well ventilated (preferably fan-forced) environment.
Eye protection:	Avoid contact with eyes. Splash goggles or full-face polycarbonate visor.
Protective clothing:	Avoid skin contact. Use PVC or Nitrile gloves. For large quantity additional splash apron & rubber boots required.
Respiratory protection:	Not normally required with directed use.

POWERBREAK

**PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	White free flowing granular powder
<b>Odour:</b>	Spice
<b>pH:</b>	11.5-11.9 (1% solution)
<b>Flash Point:</b>	Not flammable
<b>Ignition Point:</b>	Not combustible
<b>Specific Gravity:</b>	NA
<b>Refractive Index:</b>	NA
<b>Viscosity:</b>	NA
<b>Foam:</b>	Yes
<b>Solubility in water:</b>	Soluble up to 150g/L (25°C)

**STABILITY AND REACTIVITY:**

Stable. Incompatible with strong acids.  
No known Hazardous decomposition/combustion products.

**TOXICOLOGICAL INFORMATION:**

Will cause eye & skin irritation.

CHRONIC HAZARD EFFECT: Prolonged or repeated skin exposure may lead to dermatitis  
Prolonged or repeated eye exposure may lead to permanent eye injury such as blindness

Aspiration of material may lead to pulmonary injury.  
Oral rat LD50 is 4100mg/kg Dermal rabbit LD50 >7490mg/kg

**ECOLOGICAL INFORMATION:**

Harmful to aquatic environments.

**DISPOSAL CONSIDERATIONS:**

Recycle if possible. May NOT be disposed of through town treated wastewater systems.  
Empty containers to be rinsed and recycled or disposed in authorised landfill.

**TRANSPORT INFORMATION:**

Schedule 8 Hazardous substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 applies.  
Regulation 10 Hazardous Substances (Classes 6,8 & 9 Controls) Regulations 2001 applies.  
UN Packing Group III

**NZ REGULATORY INFORMATION:**

A Level 1 Emergency Management Plan applies to this product.

**OTHER INFORMATION:**

This SDS was printed on 17 August 2015.  
This SDS will be reviewed no later than 14 July 2017  
For directions on use refer product label

**END OF THIS SAFETY DATA SHEET**