

SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION:

CLEANING SYSTEMS LTD

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BROWN-OUT POWDER

HAZARD IDENTIFICATION:

This product is hazardous and has the following HSNO Hazard Classification(s): **HSNO Approval Code HSR003951**

6.1E, 6.5A, 6.5B, 8.2C, 8.3A, 9.1D

COMPOSITION & INFORMATION ON INGREDIENTS:

CAS NO: 7681-38-1 Sodium bisulphate	>90%
CAS NO: 7757-82-6 Sodium sulphate	<10%
CAS NO: 7732-18-5 Aqueas solution	<1%
Non hazardous impurities	<1%

FIRST AID MEASURES:

Contact with eyes:	Remove contact lenses. Immediately irrigate eyes with running water for 15 minutes. If irritation persists seek medical advice.
Contact with skin:	Wash affected areas with soap & water immediately. Remove all contaminated clothing, do not keep in contact with wet contaminated clothing or skin.
After ingestion:	Do NOT Induce Vomiting. Administer approx +500mls (3 cups) of water or milk (rinsing mouth first) and if discomfort persists seek medical advice.
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 0800764766 or Emergency Services dial 111

FIRE FIGHTING MEASURES:

Product is non-flammable. Use any fire fighting system available but avoid extinguishing product with water fog or foam. Not considered explosive.

ACCIDENTAL RELEASE MEASURES:

Small Spills:	Dry vacuum using HEPA filtered vacuum (avoid creating dust). If wet contain spillage using absorbant material & prevent any run-off to stormwater or unidentified drain system. Absorb or dilute & flush to approved sewer.
Large Spills:	Notify Emergency Services immediately. 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:

Do not breath vapor or inhale from container. Keep away from children. Store in a 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. These must be screw top lids. Return all containers to safe storage after use.

EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls:	For professional use only by trained personnel. Only use in well ventilated environment.
Eye protection:	Splash goggles or full-face polycarbonate visor
Protective clothing:	PVC or Nitrile gloves. For large quantity additional splash apron & rubber boots required.
Respiratory protection:	Organic gas/vapour respirator with particulate pre-filter when handling.

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PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Fine white crystalline powder
Odour:	Dry: Acidic. Wet: Sulphurous
pH:	1.3 (1% solution)
Flash Point:	
Ignition Point:	
Specific Gravity:	
Refractive Index:	
Viscosity:	
Foam:	No
Solubility in water:	Partial/Good when heated

STABILITY AND REACTIVITY:

Avoid reaction with bases, oxidizers & aluminium powder, calcium hypochlorite, sodium carbonate. Gradually decomposes at ambient temperatures to liberate sulphurous acid gas.

TOXICOLOGICAL INFORMATION:

Acutely toxic 2000-5000mg/kg (LD50 [rat] 2490mg/kg). Irritating to skin & eyes. Causes irritation to respiratory system.

CHRONIC EFFECTS: Bronchial irritation with cough, with increasing risk of bronchial pneumonia. Prolonged exposure may result in tooth decay, inflammation/ulceration of the mouth (and rarely necrosis of the jaw) when used as a sanitizer in food/beverage service environments.

ECOLOGICAL INFORMATION:

Harmful to terrestrial vertebrates (Birds & Mammals). Low persistence in aquatic environments.

DISPOSAL CONSIDERATIONS:

Recycle by dry capture method whenever possible. May be disposed of through town treated wastewater systems.

TRANSPORT INFORMATION:

Land Transport Rule 45001/1, Dangerous Goods 2005. This product is not a Dangerous Goods for Land Transport in New Zealand according to NZS 5433:1999.

Schedule 11 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 applies.

GHS Classification: Category 1C

UN Number: 3260

NZ REGULATORY INFORMATION:

All persons must comply with any changes (variation code 16) to:

- Regulation 19 (packaging regulations for toxic substances) of the Hazardous Substances (Packaging) Regulations 2001

OTHER INFORMATION:

This SDS was printed on 11 July 2017.
This SDS will be reviewed no later than 10 July 2022
For directions on use refer to product label

END OF THIS SAFETY DATA SHEET