

Company Details:

Waterwell Projects (PTY) LTD

Reg No. 2001/018862/07

Waterwell Projects (PTY) LTD

Unit 1 Megazone Park

Hertford Junction R512

Lanseria 1748

Tel: 010 446 8356 or 073 077 0973

Fax: 086 471 2504

Poison Centre: **0861 555 777**



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

a) Identification of the substance or preparation:

- 1.1 **Trade / Commercial Name:** Waterwell pH Reducer Dry (packed 3kg, 25kg)
1.2 **Chemical Name:** Sodium hydrogen sulphate
1.3 **Formula:** NaHSO₄
1.4 **Synonyms:** Sodium Bisulphate, Sodium acid sulphate, nitre cake, GBS
1.5 **Un No.** 3260
1.6 **CAS No.** 7681-38-1
1.7 **Hazchem code:**

b) Information of Distributor :

Waterwell Projects (PTY) LTD

Unit 1 Megazone Park

Hertford Junction R512

Lanseria, 1748

Tel: 010 446 8356 or 073 077 0973

Fax: 086 471 2504

Alternate suppliers:

Alternate suppliers:

CJP Chemicals (Pty) Ltd

P. O. Box 1353

Cresta 2118

32 Tiger Moth ave

Aeroton 2190

Tel: 011 494 6700

Fax: 011 494-6701

or:

Crossmill Chemicals CC

P O Box 1272

Lonehill 2062

34 Renico Crescent Lea Glen,

Roodepoort, Gauteng 2195

Tel: 011 472 4986

Fax: 011 472 0730

2. COMPOSITION / INFORMATION ON INGREDIENTS

Material / Component	%	CAS No	Risk phrases
Sodium bisulfate	>90%	7681-38-1	R41; X1

3. HAZARDS IDENTIFICATION

Corrosive.

Strong irritant to tissue.

Highly irritating to skin, particularly in a humid state, and potentially causing serious damage to the eyes.

In water decomposes with the formation of Sulphuric acid (Corrosive).

4. FIRST AID MEASURES

4.1 Eyes: Do not use neutralizing agents. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If redness or irritation persists, get prompt medical attention

4.2 Skin: In case of contact, immediately flush skin with plenty of water for at least 20 minutes. If skin irritation occurs, seek medical attention.

4.3 Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If irritation or discomfort persists, seek medical attention.

4.4 Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call medical doctor or poison control center immediately.

4.5 First Aid Comments: Consult a physician and/or the nearest Poison Control Centre for all exposures except minor instances of inhalation or skin contact.

5. FIRE FIGHTING MEASURES

Material non-combustible.

Co-ordinate firefighting measures to the surrounding areas but do not use water.

Products of de-composition –Sulphur dioxide, Sulphur trioxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure suitable personal protection during removal of spillage.

Cordon off the area and deny entry.

Do not touch or walk through spilled material.

Environmental precautions

Do not allow product/runoff from fire to enter sewers, drains or watercourses.

Small Leak/Spill:

Keep all non-essential personnel away from the area. Never spray with water. Collect material in polyethylene or polypropylene containers. Dispose spilled material through a registered waste disposal company in an approved landfill. Flush spill area with water only when all visible traces have been removed.

Large Leak/Spill:

Do not flush large quantities down municipal sewers or storm water drains.

7. HANDLING AND STORAGE

7.1 HANDLING: Handling precautions: Minimize dust. Do not breathe dust. Avoid contact with skin, eyes and mucous membranes. Have eye bath immediately available at any location where eye contact can occur.

7.2 STORAGE: Keep container tightly closed and dry. Keep containers off wet floors. Examine regularly for any sign of package failure. No other special precautions appear necessary. Product may only be stored in polyethylene or polypropylene containers. Store away from oxidizing agents and strong alkalis.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Wear acid-resistant suits, breathing apparatus, gloves and goggles.

8.1 Engineering controls: Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded.

Mechanical ventilation (dilution and/or local exhaust) is recommended for all indoor situations. Ensure eye wash fountains and quick drench showers are provided within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour:	Dry (Anhydrous) crystalline solid spherical shape beads.
Odour:	odourless
Solubility:	Solubility: 28g/100ml water
pH of 20% solution:	1.0 –1.3
Melting Point:	177°C
Bulk Density:	1.4 –1.45 g/m ³

10. STABILITY AND REACTIVITY

If in contact with water, the product will form into sulphurous acid, corrosive.
Reacts with oxidizing agents and strong alkalis.

Incompatible Materials: Acid solutions react with many metals forming hydrogen.

11. TOXICOLOGICAL INFORMATION

Acute effects:	Oral LD50: 2490mg/Kg (Rats)
Irritant effects:	Irritating to human tissue

12. ECOLOGICAL INFORMATION

Product will acidify water and should not be flushed to municipal sewers or storm water drains.
Toxic effect on fish and bacteria begins at pH <6.0.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, regional or national legislation.

Neutralise before disposing.

Dispose spilled material through a registered waste disposal company in an approved landfill.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME (PSN):	Corrosive Solid, Acidic, Inorganic, N.O.S.
CLASS:	8 Corrosive
CAS No:	7681-38-1
UN Number:	3260
Packaging Group:	III

REGULATORY INFORMATION

Users should ensure that they comply with any relevant local, regional or national legislation.
Regulated under the Hazardous Chemicals Regulation of the Occupational Health and Safety Act.

EEC Hazard Classification

Risk Phases: R41 Risk of serious damage to eyes

Safety Phases: S2 Keep out of reach of children, S24 Avoid contact with skin, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16.FURTHER INFORMATION

No further information available.

The information herein is given in good faith and to the best of our knowledge at the current date. The accomplishment of the instructions herein does not exempt the user from following the legal and administrative regulations relative to product, environmental safety and hygiene, which are user's own responsibility. In case of mixture with other substances, ensure that other risks are not generated.

Date of Revision: 29 July 2019 (general revision)