

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

Product name: **PH Decrease -Sodium Bisulphate**

Recommended use: Used to decrease the PH in water

Supplier: Space Industries Limited

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Wiri, Auckland
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Emergency Telephone 0800 764 766 (all hours)

Date of preparation: 25 May 2021

Section 2: Hazards Identification



Hazchem: Classified as a Dangerous Good according to NZS5433:2012 Transport of Dangerous Goods on Land

ERMA Approval Code: HSR003951

Signal Word: Danger

Hazard Classifications
Skin Corrosion/Irritation - Category 1C
Serious Eye Damage/Irritation - Category 1

Hazard Statement H314 Causes severe skin burns and eye damage.

Prevention Precautionary Statements P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statements P101 If medical advice is needed, have product container or label at hand.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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| Storage Precautionary Statement | P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Disposal Precautionary Statement | P310 Immediately call a POISON CENTRE or doctor/physician. |
| | P321 Specific treatment (see product label). |
| | P363 Wash contaminated clothing before reuse. |
| | P405 Store locked up. |
| | P501 Dispose of contents/container in accordance with local, regional, national and international regulations. |

Section 3: Composition/information on ingredients

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| Product Description: | White Granule or 200gram tablet |
| Components | SODIUM BISULPHATE |
| CAS Number | 7681-38-1 |
| Proportion | 99% |

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

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| Inhalation: | Remove victim to fresh air and keep at rest in a position comfortable. Seek medical attention |
| Skin Contact: | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, seek medical attention |
| Eye Contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention. |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Seek medical attention. |
| Notes for the Doctor: | Treat symptomatically. No information available on medical conditions which are aggravated by exposure to this product. However, in contact with water the product forms sulphuric acid that can cause burns. |

For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

Section 5: Fire Fighting Measures

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| Specific Hazards: | Non-combustible solid. Avoid generating dust. Incompatible with water and sources of ignition. Poisonous sulphur dioxide vapours form when heating to decomposition. In contact with water, the product hydrolyses and forms an acid solution which is corrosive. Watery solution corrodes metals with release of hydrogen which is a flammable gas and forms an explosive mixture with air. |
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| Suitable Extinguishing Media: | In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Never use a water spray. |
| Fire-fighting advice: | Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment. |

Section 6: Accidental Release Measures

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| Emergency Procedures | Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Ensure that walking surfaces are not slippery before walking on them. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority. Use spark-proof tools and equipment. |
| Methods and Materials for Containment and Clean Up | Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for safe disposal. Do NOT rinse away with water. |

Section 7: Handling and Storage

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| Handling: | Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. |
| Storage: | Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including water and sources of ignition. Protect from moisture. |

Section 8: Exposure Controls/Personal Protection

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| Occupational Exposure Limits: | No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). |
| Engineering Control Measures: | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.. |
| Personal Protective Equipment: | Safety glasses. PVC gloves Wear safety footwear Overalls. |

Section 9: Physical and Chemical Properties

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| Physical state: | Tablet or granule |
| Colour: | White |
| Odour: | Odourless |
| Solubility in water (g/L): | 1080g/L |
| Volatile Component (%vol): | Not applicable |
| Relative Vapor Density(air=1): | Not Applicable |

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| pH (as supplied):: | 1.3 (1.2% solution) |
| Specific Gravity (water=1): | 1.4-1.5kg/L (Water = 1) |

Section 10: Stability and Reactivity

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| Stability: | Product is stable under normal conditions of use, storage and temperature. |
| Conditions to Avoid | Avoid excessive heat, dusty conditions, static discharges, moisture and high temperatures. |
| Incompatible Materials | Incompatible with water and sources of ignition. |
| Hazardous Decomposition Products | In contact with water, the product decomposes with the formation of sulphuric acid (corrosive). |

Section 11: Toxicological Information

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| Ingestion: | Ingestion may cause irritation of the digestive tract. |
| Eye contact: | Causes severe eye damage |
| Skin contact: | Highly irritating to skin, particularly in humid state |
| Inhalation: | Inhalation of product dust irritates the airways. |

Section 12: Ecological Information

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| Environmental fate: persistence and degradation: Acute aquatic hazard | Avoid contaminating waterways. This material has been classified as non-hazardous. Acute toxicity estimate |
| Long-term aquatic hazard: | This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4. |
| Ecotoxicity in the soil environment: Ecotoxicity to terrestrial vertebrates: Ecotoxicity to terrestrial invertebrates: | This material has been classified as non-hazardous. This material has been classified as non-hazardous. This material has been classified as non-hazardous. Ecotoxicity: No information available. Persistence and degradability: No information available. Bioaccumulative potential: No information available. Mobility: No information available. |

Section 13: Disposal Considerations

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| <ul style="list-style-type: none"> • Recycle wherever possible. Special hazard may exist - specialist advice may be required. • Consult approved Waste Management Company for disposal options. • Treat and neutralise residue at an approved site. • Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed. • Puncture containers to prevent re-use and bury at an authorised landfill. |
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Section 14: Transport Information

Road and Rail Transport:

Classified as a Dangerous Good according to NZS5433:2012 Transport of Dangerous Goods on Land



UN Number
Transport Hazard Class
Proper Shipping Name
Hazchem Code

3260
8 Corrosive
Sodium Hydrogen Sulphate
2X

Marine Transport:

Classified as a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code for transport by sea

UN Number
Transport Hazard Class
Proper Shipping Name

3260
8 Corrosive
Sodium Hydrogen Sulphate

Section 15: Regulatory Information

ERMA:

HSR003951 Additives, Process Chemicals and Raw Materials (Corrosive) Group
Standard 2020

Section 16: Other Information

.Issue Date: 25 May 2021

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