

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

**Product name:** PH DECREASE  
**Recommended use:** Used to decrease the PH in water  
**Supplier:** Space Industries Limited  
**Street Address:** 160 Plunket Ave,  
 Wiri, Auckland  
 New Zealand  
**Telephone Number:** + 64 9 262 3902  
**Facsimile:** + 64 9 262 3948  
**E-mail:** [orders@spaceindustries.co.nz](mailto:orders@spaceindustries.co.nz)  
**Website:** [www.spaceindustries.co.nz](http://www.spaceindustries.co.nz)  
**Emergency Telephone** 0800 764 766 (all hours)  
**Date of preparation:** March 2021

**Section 2: Hazards Identification**


**Hazchem:** WARNING - Non hazardous  
**ERMA Approval Code:** HSR006577  
**Hazard Classification:** 6.1D (oral), 6.3A, 6.4A, 6.5B (contact), 9.3C

**Section 3: Composition/information on ingredients**

**Product Description:** Used to decrease the PH in water.  
 White powder  
**Components** SODIUM BISULPHATE – in a non hazardous diluent  
**CAS Number** 7681-38-1  
**Proportion** 99%

**Section 4: First Aid Measures**

**Show this Safety Data Sheet to a Doctor**

**Inhalation:** Remove victim from exposure to fresh air. If breathing difficult, apply artificial respiration as needed. Seek medical attention  
**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, seek medical attention

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<b>Eye Contact:</b>	Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.
<b>Ingestion:</b>	Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. Seek medical attention.
<b>Notes for the Doctor:</b>	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

<b>Specific Hazards:</b>	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.
<b>Suitable Extinguishing Media:</b>	In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Never use a water spray.
<b>Fire-fighting advice:</b>	Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

### Section 6: Accidental Release Measures

<b>Emergency Procedures</b>	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.
<b>Methods and Materials for Containment and Clean Up</b>	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

<b>Handling:</b>	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.
<b>Storage:</b>	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

<b>Occupational Exposure</b>	No value assigned for this specific material by the New Zealand Occupational Safety and
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<b>Limits:</b>	Health Service (OSH).
<b>Engineering Control Measures:</b>	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..
<b>Personal Protective Equipment:</b>	Safety glasses with side shields. PVC gloves Wear safety footwear Overalls.

### Section 9: Physical and Chemical Properties

Physical state:	Powder or crystals
Colour:	White or light yellow
Odour:	Odourless
Solubility in water (g/L):	1080g/L
Volatile Component (%vol):	Not applicable
Relative Vapor Density(air=1):	Not Applicable
pH (as supplied)::	1.3 (1.2% solution)
Specific Gravity (water=1):	1.4-1.5kg/L (Water = 1

### Section 10: Stability and Reactivity

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

### Section 11: Toxicological Information

<b>Ingestion:</b>	Ingestion may cause irritation of the digestive tract.
<b>Eye contact:</b>	Risk of serious damage to eyes.
<b>Skin contact:</b>	Highly irritating to skin, particularly in humid state
<b>Inhalation:</b>	Inhalation of product dust irritates the airways.

### Section 12: Ecological Information

<b>Environmental fate: persistence and degradation:</b>	Avoid contaminating waterways.
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### Section 13: Disposal Considerations

- 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.

### Section 14: Transport Information

<b>Road and Rail Transport:</b>	HAZCHEM: None NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS:UN, IATA, IMDG
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### Section 15: Regulatory Information

<b>Classification:</b>	6.1D, 6.3A, 6.4A, 6.5B, 9.3C
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### Section 16: Other Information

.Issue Date: March 2021

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