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## MATERIAL SAFETY DATA SHEET

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### Focus pHIX Tablet

#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Focus pHIX Tablet
<b>Product Code</b>	-
<b>Other Names</b>	Sodium Hydrogen Sulphate, Sodium Pyrosulphate, Sodium Acid Sulphate
<b>Product Use</b>	Flux for decomposing minerals, substitute for sulphuric acid in dyeing, disinfectant, manufacture of sodium hydrosulphate, sodium sulphate and soda alum, liberating carbon dioxide in carbonic acid baths, in thermophores, carbonizing wool, manufacture of magnesia cements, paper, soap, perfumes, foods, industrial cleaners, metal pickling compounds and lab reagent.
<b>Company Name</b>	Focus Products Pty Ltd
<b>Address</b>	35 Moreton St Heathwood QLD 4110 PO Box 131 Carole Park QLD 4300
<b>Telephone Number</b>	1800 42 55 66
<b>Emergency Telephone</b>	0411 623 619 (A/H)

#### 2. HAZARDS IDENTIFICATION

##### HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Classified as hazardous according to the criteria of Safe Work Australia.

<b>Hazards</b>	Xi – Irritant
<b>Risk Phrases</b>	R41 - Risk of serious eye damage.
<b>Safety Phrases</b>	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.



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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Sodium bisulphate	7681-38-1	>92%
Sodium sulphate	7757-82-6	<6%
Water	7732-18-5	<1%
Non-hazardous impurities	-	<1%

### 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled remove victim to fresh air. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Seek immediate medical attention.
<b>Ingestion</b>	Immediately rinse mouth with water. If swallowed, DO NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
<b>Skin</b>	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair with running water for at least 15 minutes. Seek medical attention if swelling, redness, blistering or irritation occurs.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with Large amounts of water for at least 15 minutes. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
<b>Suitable Extinguishing Media</b>	Foam, carbon dioxide, dry chemical powder
<b>Hazardous Combustion Products</b>	If material is involved in a fire it may release toxic fumes of oxides of sulfur due to thermal decomposition.
<b>Firefighting Equipment</b>	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion Hazards</b>	Non combustible material.
<b>Hazchem Code</b>	Not allocated



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### 6. ACCIDENTAL RELEASE

**Spills** In case of spill clear area of all unprotected personnel. Do not spray with water. Wear full protective clothing including respiratory protection. Avoid raising dust. Sweep or vacuum up but avoid generating dust. Collect and seal in properly labeled containers for disposal. Do not spray with water. Do not allow spilled material to enter waterways.

### 7. HANDLING AND STORAGE

**Handling** Avoid breathing dust and skin and eye contact while handling the product. Wash exposed areas with soap and water. Ensure good industrial hygiene practice.

**Storage** Store in a cool, dry, well ventilated place and out of direct sunlight. Keep containers sealed and dry. Store away from incompatible materials. Keep containers closed when not in use.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards (Safe Work Australia)** **Nuisance dust:**  
STEL: - ppm / - mg/m<sup>3</sup>  
TWA : - ppm / 10 mg/m<sup>3</sup> (8 hours)

**Engineering Controls** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

**Respiratory Protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits, use an ASCC approved full face supplied air respirator. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Eye Protection** Wear safety glasses with side shields (or goggles) and a face shield. See Australian Standards AS 1336 and AS/NZS 1337 for more information.

**Skin Protection** Wear protective gloves and protective clothing appropriate for the risk of exposure. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.

**Hygienic Practices** Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** White powder or crystals  
**Odour** Odourless  
**Solubility** Soluble (280 g/L @ 25°C)



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Boiling Point	Not applicable
Freezing / Melting point	180°C
Vapour Pressure (mm of Hg @ 25°C)	Not applicable
pH	1.3 (1% solution)
Specific Gravity (water = 1)	2.435
Bulk Density	1.4 – 1.5 kg/L
Flash Point	Not applicable
Flammable Limit – Lower	Not applicable

### 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal circumstances.
Incompatible Materials	Alkalis, bases, calcium hypochlorite and sodium carbonate, reducing and oxidizing agents.
Hazardous Decomposition Products	Oxides of sulfur.
Hazardous Polymerization Conditions to Avoid	Will not occur. Heat, moisture.

### 11. TOXICOLOGICAL INFORMATION

Toxicity	Oral LD <sub>50</sub> (Rat): 2000 mg/kg Intravenous LD <sub>50</sub> (Rat): 115 mg/kg
Routes of Exposure	Inhalation, ingestion, eye and skin
Acute Health Effects	Inhalation: Dust may cause irritation to upper respiratory tract. Ingestion: Swallowing may result in nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract. Eye: A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury. Skin: Contact with skin will result in severe irritation. Corrosive to skin – may cause skin burns.
Chronic Health Effects	Lung irritation, bronchitis, persistent coughing, tooth corrosion.
Existing Conditions	No information available.
Aggravated by Exposure	
Carcinogenicity	Not listed as carcinogenic by IARC.

### 12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating waterways. EC <sub>50</sub> (Daphnia magna): 190 mg/L (48 hr)
Mobility	No information available.



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### 13. DISPOSAL CONSIDERATIONS

**Disposal methods and containers** Dispose according to applicable local and state government regulations.

**Special precautions for landfill or incineration** Please consult your state Land Waste Management Authority for more information

### 14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

**UN Number** Not applicable  
**Proper Shipping Name** Not applicable  
**Dangerous Goods Class** Not applicable  
**Hazchem Code** Not applicable  
**Packing Group** Not applicable  
**Special Precautions** Not applicable

### 15. REGULATORY INFORMATION

Sodium bisulphate, sodium sulphate and water are listed in the Australian Inventory of Chemical Substances (AICS).

Poisons Schedule: 5

### 16. OTHER INFORMATION

**Last Revision of MSDS** Rev 2.0 (17/11/2011)  
**Prepared by** MSDS.COM.AU Pty Ltd [www.msds.com.au](http://www.msds.com.au)  
**Abbreviations Used** IARC: International Agency for Research on Cancer  
NTP: National Toxicology Program (U.S.)  
OSHA: Occupational Safety and Health Administration (U.S.)  
STEL: Short term exposure limit  
TWA: Time weighted average

#### Emergency Contacts

**Focus Products Pty Ltd** 1800 42 55 66  
**Focus Products Pty Ltd – Emergency Number** 0411 623 619 (A/H)  
**Police and Fire Brigade** 000  
**Poisons Information Centre** 13 11 26



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Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]