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DRY ACID- FOCUS DRY ACID / POOL FAST DRY ACID / SODIUM BISULPHATE / OSPA pH DECREASER

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Dry Acid - Focus Dry Acid / Pool Fast Dry Acid / Sodium Bisulphate / OSPA pH Decreaser
Product Code	-
Other Names	Sodium Hydrogen Sulphate, Sodium Pyrosulphate, Sodium Acid Sulphate
Product Use	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.
Company Name	Focus Products Pty Ltd
Address	35 Moreton St Heathwood QLD 4110
Telephone Number	1300 1 36287
Emergency Telephone	0411 623 619 (A/H)

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

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

Hazards	Xi – Irritant
Risk Phrases	R41 - Risk of serious eye damage.
Safety Phrases	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.

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%

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4. FIRST AID MEASURES

Inhalation	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.
Ingestion	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.
Skin	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.
Eyes	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.
Suitable Extinguishing Media	Foam, carbon dioxide, dry chemical powder
Hazardous Combustion Products	If material is involved in a fire it may release toxic fumes of oxides of sulfur due to thermal decomposition.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Non combustible material.
Hazchem Code	Not applicable

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.
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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.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	Nuisance dust: TWA: - ppm / 10 mg/m ³ STEL: - ppm / - mg/m ³
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 a Safe Work Australia 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)
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	Will not occur.

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Conditions to Avoid Heat, moisture.

11. TOXICOLOGICAL INFORMATION

Toxicity	Oral LD ₅₀ (rat) = 2000 mg/kg Intravenous LD ₅₀ (rat) 115 mg/kg
Routes of Exposure	Inhalation, ingestion, eye and skin
Health effects from likely routes of exposure	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.
Effects of Overexposure	Lung irritation, bronchitis, persistent coughing, tooth corrosion.
Existing Conditions	No information available.
Aggravated by Exposure	
Carcinogenicity	This product does NOT contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

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

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 (ADG 7).

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Subsidiary Risk	Not applicable
Hazchem Code	Not applicable

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Packing Group	Not applicable
Special Provisions	Not applicable
Limited Quantities	Not applicable
Packagings & IBCs - Packing Instruction	Not applicable
Packagings & IBCs - Special Packing Provisions	Not applicable
Portable Tanks & Bulk Containers – Instructions	Not applicable
Portable Tanks & Bulk Containers – Special Provisions	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 (13/06/2012)	
Prepared by	MSDS.COM.AU Pty Ltd	www.msds.com.au
Abbreviations Used	IARC: International Agency for Research on Cancer STEL: Short term exposure limit TWA: Time weighted average	

Emergency Contacts

Focus Products Pty Ltd	1300 1 36287
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)]