

SAPP

SECTION 1. IDENTIFICATION

Product Identifier	SAPP
Other Means of Identification	Sodium Acid Pyrophosphate
Product Family	Calcium Sequester/Dispersant
Recommended Use	Drilling Fluid Additive.
Supplier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No.	ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation - Category 2A

GHS Label Elements



Signal Word:
WARNING!

Can cause severe eye irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
DISODIUM PYROPHOSPHATE	7758-16-9	100	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove from exposure to fresh air immediately. Apply oxygen or artificial respiration if required. Get medical attention immediately.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Eye Contact

Check for and remove contact lenses. Do not use an eye ointment. Get medical attention.

Ingestion

Loosen tight clothing such as collar, tie, belt or waistband. If the patient is not breathing, perform mouth-to-mouth

resuscitation. Get immediate medical attention.

Most Important Symptoms and Effects, Acute and Delayed

If on skin:

May cause mild irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media appropriate for packaging and surrounding fire * Use dry chemical, carbon dioxide, foam.

Special Protective Equipment and Precautions for Fire-fighters

Evacuate area of all unnecessary personnel. Use water, fog or spray from a safe distance to cool fire-exposed containers and equipment to flush spills away from fire and to disperse vapours.

Use NIOSH-approved self-contained breathing apparatus and other protective equipment if conditions warrant.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Use appropriate safety equipment. Small spill: sweep up and put into approved DOT containers for disposal or re-use.

Large spill: DO NOT allow to enter sewers, storm drains, surface waters or soil; sweep up or shovel into approved DOT containers for disposal or re-use. Clean spill area with soap and water.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Wash thoroughly after handling and at end of shift. Prevent dust accumulation on ALL surfaces including ceiling rafters and other hidden surfaces.

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated place. Keep container closed until use. Empty containers contain residual hazardous materials and must be handled with the same care and attention as if full. Observe all labelled safeguards until container is cleaned, reconditioned or destroyed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Provide adequate natural or mechanical ventilation to keep dust concentrations low and to reduce potential exposure.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side shields. Do not wear contact lenses.

Skin Protection

Wear protective clothing as required to prevent contact. Protective cotton gloves are recommended.

Respiratory Protection

Respirators not generally required unless needed to prevent respiratory irritation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance

White powder. Particle Size: Not available

Odour

Odourless

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Odour Threshold	Not available
pH	4.2 (1% solution)
Melting Point/Freezing Point	220 °C (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.862
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	1394 kg/m ³
Surface Tension	Not applicable
Critical Temperature	Not applicable
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid strong mineral acids.

Hazardous Decomposition Products

Phosphorous oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Oral Rat: 2650 mg/kg

LD50 Dermal Rabbit: >7940 mg/kg

Skin Corrosion/Irritation

May cause mild irritation with symptoms including redness and burning. Prolonged contact may cause drying or chapping of the skin.

Serious Eye Damage/Irritation

Can cause severe irritation; symptoms including stinging, tearing, redness and swelling.

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STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Dust may be irritating to the upper respiratory tract; symptoms include coughing, chest pain, runny nose and burning throat. Inhalation of high concentrations of dust may cause nasal stuffiness and nosebleeds.

Ingestion

Ingestion of large quantities may cause nausea, vomiting and/or diarrhea.

No information was located for: STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity or environmental fate data available. It is good practice to prevent releases into the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, provincial and local government regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations.

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS Classification



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

Additional Canadian Regulatory Lists

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

SECTION 16. OTHER INFORMATION

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

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Disclaimer This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor

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does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.