MATERIAL SAFETY DATA SHEET
Sodium Cacodylate Trihydrate

STATEMENT OF HAZARDOUS NATURE
Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company: ProSciTech
Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld, 4817. Australia
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Fax Number: (07) 4773 2244

IDENTIFICATION SECTION

Product Name
Other Names
Product Code
U.N. Number
Dangerous Goods Class
and Subsidiary Risk
Hazchem Code
Poison Schedule
Use

Sodium Cacodylate Trihydrate
Cacodylate Acid
C020, C0205
UN1688
6.1
2X
None allocated
Buffer for electron microscopy

Physical Description and Properties

Appearance
Boiling Point/Melting Point
Vapour Pressure
Specific Gravity
Flash Point
Flammability Limits
Solubility in water

White crystals with slight odour
Not available
Not available
Not available
Not available
No data
More than 10%

Other Properties

Ingredients
Chemical Name
CAS Number
Proportion

C₂H₆AsNaO₅·3H₂O
00124-65-2
90 - 100%
HEALTH HAZARD INFORMATION

Health Effects:

Acute Swallowed: May be fatal. May cause nausea, vomiting, headaches, dizziness, gastrointestinal irritation. May be fatal. May cause nausea, vomiting, headaches, dizziness, gastrointestinal irritation.

Eye: May cause irritation
Skin: May cause irritation
Inhaled: The substance is toxic to blood, kidneys, lungs, liver.

First Aid:

Swallowed: Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material as ingested; the absence of such signs, however is not conclusive. Loosen tight clothing such as collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Eye: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. Serious skin contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhaled: Allow the victim to rest in a well ventilated area. Seek immediate medical attention. Serious inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

First Aid Facilities: Eye bath, safety shower

Advice to Doctor

PRECAUTIONS FOR USE

Exposure Standards: No data
Engineering Controls: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.
Personal Protection: Safety goggles, uniform, apron, proper gloves are recommended. Use an approved respirator when ventilation is inadequate.
Flammability: Not flammable under conditions of use.

SAFE HANDLING INFORMATION

Storage and Transport: Keep container tightly closed. Store in secure poison area. DG Class 6.1
Spills and Disposal: Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water. Dispose in accordance with all applicable federal, state and local environmental regulations.
Fire/Explosion Hazard: Closed containers exposed to heat may explode. Firefighters should wear proper protective equipment and self-contained (positive pressure if available) breathing apparatus with full face piece. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Use fire extinguishing media appropriate for surrounding fire.
<table>
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<tr>
<th>Incompatibilities</th>
<th>LD50 (Oral-Rat) (mg/kg) - 2600</th>
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<tbody>
<tr>
<td>(Materials to avoid)</td>
<td>LD50 (Oral-mouse) (mg/kg) - 4</td>
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<td>Animal Toxicity Data:</td>
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