

NOV 13 2006

MATERIAL SAFETY DATA SHEET

Sodium Cacodylate Trihydrate

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Date of Issue: 18 Sept. 06

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company: ProSciTech
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IDENTIFICATION SECTION

Product Name	Sodium Cacodylate Trihydrate
Other Names	Cacodylate Acid
Product Code	C020, C0205
U.N. Number	UN1688
Dangerous Goods Class and Subsidiary Risk	6.1
Hazchem Code	2X
Poison Schedule	None allocated
Use	Buffer for electron microscopy

Physical Description and Properties

Appearance	White crystals with slight odour
Boiling Point/Melting Point	Not available
Vapour Pressure	Not available
Specific Gravity	Not available
Flash Point	Not available
Flammability Limits	No data
Solubility in water	More than 10%

Other Properties

Ingredients

Chemical Name	CAS Number	Proportion
C ₂ H ₆ AsNaO ₂ ·3H ₂ O	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:

Chronic: 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 has been 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.

OTHER INFORMATION

Incompatibilities

(Materials to avoid)

Animal Toxicity Data:

LD50 (Oral-Rat) (mg/kg) - 2600

LD50 (Oral-mouse) (mg/kg) - 4

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.