

MATERIAL SAFETY DATA SHEET

Cadmium Sulfate

SECTION 1 . Product and Company Identification

Product Name and Synonym: Cadmium Sulfate
Product Code: C0288
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 5/29/2013
Print Date: 5/29/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	0
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Cadmium Sulfate	CAS# 10124-36-4	100%	W/W	OSHA TWA 0.2 mg (Cd)/m ³

SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, dry chemical, carbon dioxide, alcohol foam
Fire / Explosion Hazards: Material non-combustible solid but dust can be moderate fire hazard when exposed to heat or flame.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Cadmium Sulfate

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal. Do not generate dust.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Avoid causing physical damage. Keep container tightly closed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH approved dust mask
Ventilation
Local Exhaust
Mechanical
Protective Gloves: Impervious protective gloves
Eye Protection: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Loses H ₂ O @40° C	Percent Volatile by Volume:	0
Boiling Point:	Not applicable	Evaporation Rate	0
Vapor Pressure:	Not applicable	Evaporation Standard	
Vapor Density:	Not applicable	Auto Ignition Temp	Not applicable
Solubility in Water:	Freely soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Colorless crystals, odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Non combustible		
Specific Gravity:	3.08		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.
Materials to Avoid: Oxidizing agents, metals, hydrogen azide, selenium, and tellurium
Hazardous Decomposition Products: Oxides of sulfur and contained metal.
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

Cadmium Sulfate

SECTION 14 Transport Information

DOT Classification: Cadmium Compound, n.o.s. (Cadmium Sulfate), 6.1, UN2570, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Effects of overexposure. Acute and chronic: Absorption most efficient way to respiratory tract. Irritation, headache, metallic taste, cough. Severe exposure: shortness of breath, chest pain, flu-like symptoms, fever, chills, sweat, nausea, muscular pain. Possible liver and kidney damage, death. Symptoms may be delayed up to 24 hours. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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