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MATERIAL SAFETY DATA SHEET

CALCIUM NITRATE

Product ID: CALCIUM NITRATE
Info/ Emergency Phone Number: 0086-371-63948676

Ingredients

CAS: 13477-34-4

Name: CALCIUM NITRATE

> Wt: 98.

Ozone Depleting Chemical: N

Health Hazards Data

LD50 LC50 Mixture: NOT PROVIDED

Effects of Exposure: DATA LACKING FOR THIS COMPOUND.

GENERAL TOXICITY: LARGE AMOUNTS TAKEN BY MOUTH MAY HAVE SERIOUS OR EVEN FATAL EFFECTS. THE SYMPTOMS ARE DIZZINESS, ABDOMINAL CRAMPS, VOMITING, BLOODY DIARRHEA, WEAKNESS, CONVULSIONS, AND COLLAPSE. SMALL, REPEATED DOSES MAY LEAD TO WEAKNESS, GENERAL DEPRESSION, HEADACHE, AND MENTAL IMPAIRMENT

Signs and Symptoms of Overexposure: SEE HEALTH EFFECTS FIELD

First Aid:

INGESTION: IF CONSCIOUS, GIVE TWO GLASSES OF WATER TO DRINK. INDUCE VOMITING & CALL PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON:

EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES, LIFTING UPPER & LOWER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION.

SKIN: FLUSH THOROUGHLY WITH WATER, AND THEN WASH WITH MILD SOAP & WATER.

INHALATION: REMOVE TO FRESH AIR. IF ILLNESS OR DISCOMFORT DEVELOPS, GET MEDICAL

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Handling and Disposal

Spill Release Procedures: SWEEP UP AND PLACE IN A SUITABLE CONTAINER

Neutralizing Agent: NOT PROVIDED

Waste Disposal Methods: DISSOLVE IN WATER & FLUSH TO SEWER WITH COPIOUS AMOUNTS OF WATER. DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL LAWS. THESE DISPOSAL GUIDELINES ARE INTENDED FOR THE DISPOSAL OF CATALOG-SIZE QUANTITIES ONLY.

Handling And Storage Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY PLACE AWAY FROM COMBUSTIBLE MATERIALS. WASH THOROUGHLY AFTER HANDLING.

Other Precautions: READ LABEL ON CONTAINER BEFORE USING. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS. REMOVE & WASH CONTAMINATED CLOTHING. FOR LAB USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Extinguishing Media: WATER, DRY CHEMICAL (ABC), CARBON DIOXIDE.

Fire Fighting Procedures: IN FIRE CONDITIONS, WEAR A NIOSH/MSHA-APPROVED, SELF-CONTAINED BREATHING APPARATUS. USE FLOODING AMOUNTS OF WATER IN EARLY STAGES OF FIRE

Unusual Fire/Explosion Hazard: STRONG OXIDIZER. IN CONTACT WITH EASILY OXIDIZABLE SUBSTANCES IT MAY REACT RAPIDLY ENOUGH TO CAUSE IGNITION, VIOLENT COMBUSTION OR EXPLOSION. INCREASES THE FLAMMABILITY OF ANY COMBUSTIBLE SUBSTANCE.

Control Measures

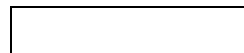
Respiratory Protection: NONE SHOULD BE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY CONDITIONS PREVAIL, WORK IN A VENTILATION HOOD OR WEAR A NIOSH/MSHA-APPROVED DUST MASK.

Ventilation: LOCAL EXHAUST RECOMMENDED. MECHANICAL (GENERAL) NOT REQUIRED

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SAFETY GLASSES

Other Protective Equipment: GOGGLES, SMOCK, APRON, SAFETY GLASSES, EYE WASH STATION, PROPER GLOVES, AND FIRE EXTINGUISHER



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Work Hygienic Practices: NOT PROVIDED
Supplemental Safety and Health: NOT RELEVANT

Physical/Chemical Properties

Melt/Freeze Pt.: =45.C, 113.F
Vapor Pres: NEGLIGIBLE AS SOLID
Vapor Density: 8.17
Spec Gravity: 2.36
Solubility in Water: 112 GRAMS IN 100 ML WATER
Appearance and Odor: COLORLESS CRYSTALS, GRANULAR, PRILLS, DELIQUESCENT; NO ODOR
Percent Volatiles by Volume: NEGLIGIBLE

Reactivity Data

Stability Indicator: YES
Stability Condition to Avoid: KEEP AWAY FROM COMBUSTIBLE MATERIALS
Materials to Avoid: COMBUSTIBLE MATERIALS AND STRONG REDUCING AGENTS.
Hazardous Decomposition Products: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE NITROUS OXIDES
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization: NOT RELEVANT

Regulatory Information

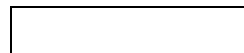
Federal Regulatory Information: NOT PROVIDED
State Regulatory Information: NOT PROVIDED

Other Information

Other Information: NOT RELEVANT

Transportation Information

Trans ID NO: 151292
Product ID: CALCIUM NITRATE
Net Unit Weight: 1.1 LB
Type of Container: CYLINDER



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Detail DOT Information

DOT Proper Shipping Name: CALCIUM NITRATE

Hazard Class: 5.1

UN ID Num: UN1454

Label: OXIDIZER

Special Provision: 34

Packaging Exception: 152

Non Bulk Pack: 213

Bulk Pack: 240

Max Qty Pass: 25 KG

Max Qty Cargo: 100 KG

Vessel Stow Req: A

HAZCOM Label

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