

CORNELL

**Material Safety
Data Sheets**

Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

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**Section 1 - Product and Company Identification
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL**

Product Identification: CALCIUM CHLORIDE ANHYDROUS, TECHNICAL
Date of MSDS: 11/02/1993 **Technical Review Date:** 11/02/1993
FSC: 6810 **NIIN:** 00-658-4999
Submitter: D DG
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: MAIN POOL AND CHEMICAL SUPPLY CO
Manufacturer's Address1: 501 MAIN STREET
Manufacturer's Address2: AVOCA, PA 18641-1422
Manufacturer's Country: US
General Information Telephone: 717-457-0839
Emergency Telephone: 717-457-0839
Emergency Telephone: 717-457-0839
MSDS Preparer's Name: DGSC-SSH
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 1CX92
Special Project Code: N

Item Description

Item Name: CALCIUM CHLORIDE, ANHYDROUS, TECHNICAL
Item Manager: S9G
Specification Number: MIL-C-51511
Type/Grade/Class: TYPE II, GRADE C
Unit of Issue: CN **Quantitative Expression:** 00000000005LB
Unit of Issue Quantity: 0
Type of Container: METAL

Preparer Information

Preparer's Name: MAIN POOL AND CHEMICAL SUPPLY CO
Preparer's Address1: 501 MAIN STREET
Preparer's Address2: AVOCA, PA 18641-1422
Preparer's CAGE: 1CX92
Assigned Individual: N

Contractor Information

Contractor's Name: MAIN POOL AND CHEMICAL SUPPLY CO
Contractor's Address1: 501 MAIN STREET
Contractor's Address2: AVOCA, PA 18641-1422
Contractor's Telephone: UNKNOWN
Contractor's CAGE: 1CX92

Section 2 - Composition/Information on Ingredients
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Ingredient Name: CALCIUM CHLORIDE
Ingredient CAS Number: 10043-52-4 **Ingredient CAS Code:** M
RTECS Number: EV9800000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:

>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 94-96
% Environmental Weight:
Other REC Limits: N/R
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Ingredient Name: POTASSIUM CHLORIDE
Ingredient CAS Number: 7447-40-7 Ingredient CAS Code: M
RTECS Number: TS8050000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 2-3
% Environmental Weight:
Other REC Limits: N/R
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Ingredient Name: SODIUM CHLORIDE
Ingredient CAS Number: 7647-14-5 Ingredient CAS Code: M
RTECS Number: VZ4725000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:

% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 1-2
% Enviromental Weight:
Other REC Limits: N/R
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Ingredient Name: STRONTIUM CHLORIDE
Ingredient CAS Number: 10476-85-4 Ingredient CAS Code: M
RTECS Number: WK8400000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 1.0
% Enviromental Weight:
Other REC Limits: N/R
OSHA PEL: NOT ESTABLISHED OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: NOT ESTABLISHED ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Health Hazards Acute & Chronic: ACUTE:IRRITATION OF EYES,SKIN AND RESPIRATORY TRACT OR G.I. IRRITATION/ULCERATION. CHRONIC:IRRITATION OR CORNEAL INJURY.

Signs & Symptoms of Overexposure:
IRRITATION OF SKIN,EYES AND RESPIRATORY TRACT.

Medical Conditions Aggravated by Exposure:
PERSONS WITH PRE-EXISTING RESPIRATORY AILMENTS MAY BE AT INCREASED RISK

FROM EXPOSURE.

LD50 LC50 Mixture: ORAL RAT:1090-1668 MG/KG

Route of Entry Indicators:

Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Section 4 - First Aid Measures
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

First Aid:

INHALATION:REMOVE TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION OR OXYGEN IF NEEDED. EYES:FLUSH WITH PLENTY OF WATER,SEEK MEDICAL ATTENTION AT ONCE. SKIN:WASH THOROUGHLY WITH SOAP & WATER. INGESTION:INDUCE VOMITING IF CONSCIOUS AND SEEK MEDICAL ATTENTION IMMEDIATELY.

Section 5 - Fire Fighting Measures
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Fire Fighting Procedures:

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire or Explosion Hazard:

NONE

Extinguishing Media:

THIS MATERIEL IS NOT COMBUSTIBLE;USE MEDIA APPROPRIATE FOR SURROUNDING FIRES.

Flash Point: **Flash Point Text:** NONE

Autoignition Temperature:

Autoignition Temperature Text: N/K

Lower Limit(s): N/R

Upper Limit(s): N/R

Section 6 - Accidental Release Measures
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Spill Release Procedures:

USE PROPER PERSONAL PROTECTION.SWEEP UP PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Section 7 - Handling and Storage
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Handling and Storage Precautions:**Other Precautions:**

Section 8 - Exposure Controls & Personal Protection
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Respiratory Protection:

USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST.

Ventilation:

LOCAL EXHAUST/MECHANICAL TO MAINTAIN AN ADEQUATE VENTILATION OR MINIMIZE THE EXPOSURE.

Protective Gloves:

RUBBER.

Eye Protection: CHEMICAL GOGGLES.**Other Protective Equipment:** APRON,SAFETY SHOWER,EYE-WASH.**Work Hygienic Practices:** AVOID CONTACT WITH EYES & SKIN;DO NOT BREATHE THE DUST/MIST.**Supplemental Health & Safety Information:** MSDS GENERATED FOR TSR.HMIS CONTACTED MAIN POOL AND CHEMICAL FOR AN MSDS SEVERAL TIMES;ONE WAS NEVER SENT.THIS MSDS WAS GENERATED FROM THE TIR,MIL-C-13573 AND NSN:6810-00-658-4999,CAGE:0AN91,PNIND:A(F ROM UNIVAR).

Section 9 - Physical & Chemical Properties
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

HCC: N1**NRC/State License Number:** N/R**Net Property Weight for Ammo:** N/R**Boiling Point:** Boiling Point Text: >500F**Melting/Freezing Point:** Melting/Freezing Text: N/K**Decomposition Point:** Decomposition Text: N/K**Vapor Pressure:** N/K **Vapor Density:** N/K**Percent Volatile Organic Content:****Specific Gravity:** 2.2**Volatile Organic Content Pounds per Gallon:****pH:** N/K**Volatile Organic Content Grams per Liter:****Viscosity:** N/P**Evaporation Weight and Reference:** N/K**Solubility in Water:** APPRECIABLE**Appearance and Odor:** WHITE TO OFF WHITE PELLETS OR FLAKES,ODORLESS.**Percent Volatiles by Volume:** N/K**Corrosion Rate:** N/K

Section 10 - Stability & Reactivity Data
CALCIUM CHLORIDE ANHYDROUS,TECHNICAL

Stability Indicator: YES

Materials to Avoid:

ALUMINUM AND ITS ALLOYS, YELLOW BRASS.

Stability Condition to Avoid:

DECOMPOSES ABOVE 400F, WATER, MOISTURE.

Hazardous Decomposition Products:

UNKNOWN

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NONE

Section 11 - Toxicological Information
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Toxicological Information:

N/P

Section 12 - Ecological Information
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Ecological Information:

N/P

Section 13 - Disposal Considerations
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Waste Disposal Methods:

DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Section 14 - MSDS Transport Information
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Transport Information:

N/P

Section 15 - Regulatory Information
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information
CALCIUM CHLORIDE ANHYDROUS, TECHNICAL

Other Information:

N/P

HMIS Transportation Information

Product Identification: CALCIUM CHLORIDE ANHYDROUS, TECHNICAL
Transportation ID Number: 81006
Responsible Party CAGE: 1CX92
Date MSDS Prepared: 11/02/1993
Date MSDS Reviewed: 11/02/1993
MFN: 11/02/1993
Submitter: D DG
Status Code: C

Container Information

Unit of Issue: CN
Container Quantity: 0
Type of Container: METAL
Net Unit Weight: 5.0 LBS

Article without MSDS: N
Technical Entry NOS Shipping Number:
Radioactivity:
Form:
Net Explosive Weight:
Coast Guard Ammunition Code:
Magnetism: N/P
AF MMAC Code:
DOD Exemption Number:
Limited Quantity Indicator:
Multiple Kit Number: 0
Kit Indicator: N
Kit Part Indicator: N
Review Indicator: Y
Additional Data:
NONE

Department of Transportation Information .

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Code: ZZZ
Symbols: N/R
DOT PSN Modifier:
Hazard Class: N/R
UN ID Number: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision(s): N/R
Packaging Exception: N/R
Non Bulk Packaging: N/R
Bulk Packaging: N/R
Maximum Quantity in Passenger Area: N/R
Maximum Quantity in Cargo Area: N/R
Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ
IMO PSN Modifier:
IMDG Page Number: N/R
UN Number: N/R
UN Hazard Class: N/R
IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R
Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA PSN Modifier:
IATA UN Id Number: N/R
IATA UN Class: N/R
Subsidiary Risk Class: N/R
UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: CALCIUM CHLORIDE ANHYDROUS, TECHNICAL
CAGE: 1CX92
Assigned Individual: N
Company Name: MAIN POOL AND CHEMICAL SUPPLY CO
Company PO Box:
Company Street Address1: 501 MAIN STREET
Company Street Address2: AVOCA, PA 18641-1422 US
Health Emergency Telephone:
Label Required Indicator: Y
Date Label Reviewed: 11/02/1993
Status Code: C
Manufacturer's Label Number: UNKNOWN
Date of Label: 11/02/1993
Year Procured: N/K
Organization Code: F
Chronic Hazard Indicator: N/P

Eye Protection Indicator: YES
Skin Protection Indicator: YES
Respiratory Protection Indicator: N/P
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

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