

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-100/10043-52-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
10043-52-4

**Code:**  
M

**RTECS:**  
EV9800000

**Code:**  
M

**Name:**  
CALCIUM CHLORIDE

**Other REC Limits:**  
NONE SPECIFIED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
FOR DUSTY CONDITIONS, WEAR NIOSH-APPROVED DUST RESPIRATOR. KEEP RESPIRATOR CLEAN.

**Ventilation:**  
NATURAL VENTILATION ADEQUATE EXCEPT IN PACKAGING AND DUST GENERATING OPERATIONS USE LOCAL EXHAUST VENTILATION.

**Protective Gloves:**  
WEAR GLOVES FOR ROUTINE PRODUCT USE.

**Eye Protection:**  
SAFETY GOGGLES FOR DUSTY CONDITIONS.

**Other Protective Equipment:**  
Equipment WEAR LONG-SLEEVE SHIRT, AND TROUSERS FOR ROUTINE PRODUCT USE.

**Work Hygienic Practices:**  
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL RAT) IS 1.4 G/KG.

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: MAY IRRITATE OR BURN EYES. SKIN: MAY CAUSE SKIN IRRITATION. PROLONGED CONTACT AND WITH MOISTURE PRESENT MAY CAUSE SUPERFICIAL BURNS. CONTACT WITH ABRADED SKIN OR CUTS CAN CAUSE SEVERE NECROSIS. INHALATION: DUST MAY IRRITATE NOSE, THROAT, AND LUNGS. INGESTION: LOW TOXICITY. MAY IRRITATE GASTROINTESTINAL TRACT.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptoms Of Overexposure:**  
EYES: IRRITATION, BURNS. SKIN: IRRITATION, BURNS, NECROSIS. INHALATION: IRRITATION OF NOSE, THROAT, LUNGS. INGESTION: LOW TOXICITY, IRRITATION OF GI TRACT.

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY SYSTEM MAY BE AT INCREASED RISK FROM EXPOSURE TO THIS PRODUCT.

**First Aid:**  
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION . INHALATION: MOVE TO FRESH AIR. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. INGESTION: GIVE 2 TO 4 GLASSES OF WATER, AND INDUCE VOMITING. GET MEDICAL ATTENTION.

**Spill Release Procedures:**  
SHOVEL UP DRY CHEMICAL AND PLACE IN METAL DRUM WITH A COVER. CAUTIOUSLY SPRAY WITH PLENTY OF WATER. WHEN DISOLVING, ADD TO WATER CAUTIOUSLY AND WITH STIRRING. AVOID SPLASHES. SOLUTIONS CAN GET VERY HO T.

**Neutralizing Agent:**  
NONE APPLICABLE FOR THIS MATERIAL.

**Waste Disposal Methods:**  
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.. DISSOLVE IN WATER USING CAUTION AS SOLUTION CAN GET VERY HOT.FLUSH TO SEWER WITH PLENTY OF WATER IF PERMITTED BY REGULATIONS. MAY HAVE TO BE DISPOSED OF BY APPROVED CONTRACTOR.

**Handling And Storage Precautions:**  
STORE IN CLOSED CONTAINER IN COOL, DRY, WELL VENTILATED AREA AWAY FROM INCOMPATABLE MATERIAL. PROTECT FROM PHYSICAL DAMAGE.

**Other Precautions:**  
2 PROLONGED STORAGE MAY CAUSE PRODUCT TO CAKE AND BECOME WET FROM ATMOSPHERIC MOISTURE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NOT FLAMMABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
USE MEDIA SUITABLE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING VAPORS OR DUSTS,

**Unusual Fire/Explosion Hazard:**  
NEGLEGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R 3

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>2912F,>160

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
1422F,772C

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
2.15

**VOC Pounds/Gallon:**

**PH:** 7

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/R

**Solubility in Water:**  
42% @ 20 C

**Appearance and Odor:**  
SMALL WHITE FLAKES. ODORLESS.

**Percent Volatiles by Volume:**  
N/R

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**  
SULFURIC ACID, WATER, METHYL VINYL ETHER.

**Hazardous Decomposition Products:**  
NONE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P

**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

**LookChem**  
Look for Chemicals  
[www.lookchem.com](http://www.lookchem.com)