



LINYI KEMELE CO., LTD

MATERIAL SAFETY DATA SHEET

CALCIUM NITRITE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

Linyi Kemele Co., Ltd

C639 JINKE, DEVELOPMENT ZONE, LINYI, SHANDONG, CHINA

TEL: 0086-539-3330033 FAX: 0086-539-8510033

Mail: sales@kemele.com chem@kchem.cn

Synonyms: Calcium Salt

CAS #: 13780-06-8

Hazard Class: Oxidizer

UN: 2627

Emergency Number: 86-539- 3330033

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Calcium Nitrite Anhydrous

Calcium Nitrite $\text{Ca}(\text{NO}_2)_2$ (Dry Base) : 94% Min.

Calcium nitrate $\text{Ca}(\text{NO}_3)_2$: 4.50%max

Water insoluble matter: 1.0%max

Moisture: 1.0%max

Appearance: white or light yellowish powder.

Uses: concrete antifreeze, early strength agent and rustproofing reinforcing steel bar.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Odorless, white to off white deliquescent crystal that may cause irritation to the respiratory tract and skin: Product is an oxidizer and will accelerate burning when it is involved in a fire.

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: Not a hazard with normal industrial usage.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

Skin: Immediately wash skin with soap and water for at least 15 minutes.

Eyes: Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

Inhalation: Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water

On All of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Non Combustible (Dry product)

Flammable Limits: Non combustible (Dry product)

Extinguishing Media: Use water only.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

Unusual Fire Explosion Hazard: Oxidizer may react violently under certain conditions.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate area and deny entry to unnecessary or unprotected personnel. Absorb the excess material with sand, earth or other non combustible absorbent materials. Contain spill, sweep up, collect and place in a disposal container.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES: As required to protect skin and eyes from dust, safety

showers and/or eye wash should be available. Do not leave food or smoke in work area.
Wash thoroughly and remove or clean any contaminated clothing.
EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable
Vapor Pressure (MM Hg): Not Applicable
Vapor Density (AIR=1): Not Applicable
Specific Gravity (H2O=1): Not Available
Percent Volatile by Volume (%): Not Applicable
Melting Point: Not Applicable
Evaporation Rate (Butyl Acetate=1): Not Applicable
Solubility in Water: Complete
PH: Not Available

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides
KEEP AWAY FROM: Combustible materials, heat, open flame.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.
RCRA WASTE #: Not listed

SECTION 14 - TRANSPORTATION INFORMATION

SHIPPING NAME: Nitrites, Inorganic, (Calcium Nitrite)

TECHNICAL SHIPPING NAME: Calcium Nitrite

U.N. NUMBER: 2627

HAZARD CLASS AND GROUP NUMBER: 5.1, PG II

PLACARD: Oxidizer, 5.1

PRODUCT LABEL: Oxidizer, 5.1
MARINE POLLUTION: NO

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) Not Listed

SARA TITLE III INFORMATION:

EXTREMELY HAZARDOUS SUBSTANCE: Not Listed

TOXIC CHEMICALS: Not Listed

HAZARD CATEGORY: Immediate (Acute), Fire Hazard

SYMBOL(S) : O: OXIDIZING

R PHRASE(S) : R08 - Contact with combustible material may cause fire.
R31 - Contact with acids liberates toxic gas.

S PHRASE(S) :S07/09 - Keep container tightly closed and in well-ventilated place.
S17 - Keep away from combustible material.
S35 - This material and its container must be disposed of in a safe way.

SECTION 16 - OTHER INFORMATION

This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. It is offered solely for your consideration, investigation and verification.