



LINYI KEMELE CO., LTD

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Material Safety Data Sheet Calcium Nitrite Solution MSDS

Revision date: 2019-05-15

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

Linyi Kemele Co., Ltd

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Emergency Number: 86-539 3330033

Information Number: 86-539-8510033

Product name: Calcium Nitrite Solution

Synonyms: Concrete Additive (Liquid 30-35%)

CAS #: 13780-06-8 (as Anhydrous Calcium Nitrite)

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Calcium Nitrite 30-35% Water 65-70%

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Clear homogeneous yellow liquid 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

Flammable Limits: Non combustible

Extinguishing Media: Use what is suitable for surrounding fire. Special Fire Fighting Procedures: Use firefighting procedure that is appropriate to treat surrounding fire.
All firefighters should use self-contained breathing apparatus and foil fire-fighting turn-out gear.
Unusual Fire Explosion Hazard: None Known
Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate area and deny entry to unnecessary or unprotected personnel.
Wear appropriate protective equipment.
Take action to eliminate source of leak; contain spill by diking; prevent from entering waterways.
Vacuum up liquid or use absorbent media; remove to storage for disposal.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing.
Use with adequate ventilation. Avoid breathing mists.
Use normal personal hygiene and housekeeping.
Store in cool dry area away from other incompatible materials.

SECTION 8 - EXPOSURE CONTROLS. PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/ MSHA approved respirators.
VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate fumes 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 liquid.
WORK, HYGIENIC PRACTICES:
As required to protect skin and eyes from liquid, 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: 108° C
Vapor Pressure (MM Hg): Not Available
Vapor Density (AIR=1): Not Applicable
Specific Gravity (H2O=1): 1.25
Percent Volatile by Volume (%): Not Applicable
Melting Point: Not Applicable
Evaporation Rate (Butyl Acetate=1): Not Applicable
Solubility in Water: Complete
pH: (solution @ 25° C) Greater than 8.0

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 may form when pH falls below 8.0 KEEP AWAY FROM: Acids, Ammonium Salts, Activated Carbon, Reducing Agents and Cyanides.

SECTION 11 - TOXICOLOGICAL INFORMATION

LC50 Oral-RAT 283 mg/kg

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 as liquid, in dry form waste code D003

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Calcium Nitrite Solution; Concrete Additive (Liquid 30-35%)

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not Listed

TSCA STATUS: Listed

CERCLA REPORTABLE REQUIREMENTS: (RQ) Not Listed SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Not Listed

Section 313 Toxic Chemicals: Not Listed

Section 311/312 Hazard Category: Immediate (Acute)

SECTION 16 - OTHER INFORMATION

HMIS- Fire 0

Health 2

Reactivity 0

Reason for Issue: Changed Date

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