

POLLARD HIGHWAY PRODUCTS

35% LIQUID CALCIUM CHLORIDE

Material Safety Data Sheet

A. GENERAL INFORMATION

| | | | |
|---|---|---|--|
| TRADE NAME (COMMON NAME): 35% LIQUID CALCIUM CHLORIDE | Material Uses: Chemical Family: | Dust Control, De-icing Inorganic Salt Solution | |
| COMPOSITION and INFORMATION ON INGREDIENTS: Amounts are presented as percentages by weight. | | | |
| Component | CAS # | Amount W/W | |
| Calcium Chloride | 10043-52-4 | 35% | |
| Potassium chloride | 7447-40-7 | < 1 % | |
| Sodium Chloride | 7647-14-5 | < 1 % | |
| Water | 7732-18-5 | < 65 % | |
| MANUFACTURER/ADDRESS: POLLARD HIGHWAY PRODUCTS LTD BOX 280 HARROW, ONTARIO N0R 1G0 | | | |
| CONTACT: MARKETING MANAGER | PHONE NUMBER: 1-800-265-5619 or 519-738-2213 | LAST ISSUE DATE: January 6,2012 | CURRENT ISSUE DATE: April 5,2014 |

B. FIRST AID MEASURES

| | |
|---|---|
| EYES: Flush promptly with plenty of cold water, continuing for at least 15 minutes. Get medical attention immediately. | EMERGENCY PHONE NUMBER: (519)796-8114 or (519)738-4144 |
| SKIN: Wash with plenty of water. | |
| INHALATION: Move person to fresh air; if effects occur, consult a physician. | |
| INGESTION: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. | |
| NOTES TO PHYSICIAN: If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. | |

C. POTENTIAL HEALTH EFFECTS

| |
|--|
| INGESTION: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; However, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation. |
| INHALATION: Mist may cause irritation of upper respiratory tract (nose and throat). |
| EYES: May cause severe eye irritation. May cause slight corneal injury. Effects may be slow to heal. |

C. HEALTH EFFECTS (Cont.)

SKIN: Brief contact is essentially nonirritating to skin. May cause more severe response if skin is scratched or cut. May cause more severe response on Covered skin (under clothing). Prolonged contact may cause skin irritation, even a burn.

SKIN ABSORPTION: Prolonged skin contact is unlikely to result in absorption of harmful amounts.

D. FIRE FIGHTING MEASURES

FIRE EXTINGUISHING MEDIA:

This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

FIRE FIGHTING PROCEDURES:

Keep people away. Isolate fire and deny unnecessary entry. This material does not burn. Fight fire for other material that is burning. Water should be Applied in large quantities as fine spray.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear positive-pressure self-contained breathing apparatus(SCBA) and protective fire fighting clothing. Avoid contact with this material during fire fighting Operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up Situations, refer to the relevant sections.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Not applicable

SPECIAL: PRECAUTIONS/PROCEDURES/LABEL INSTRUCTIONS:

None

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:

None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

EYES AND FACE:

Safety goggles

HANDS, ARMS, AND BODY:

Proper rubber gloves and rubber boots are recommended where exposure is probable.

OTHER CLOTHING AND EQUIPMENT: Use of rubber aprons, full body suits and face shields, etc. will depend on actual application based on the amount and probability of exposure.

F. PHYSICAL DATA

MATERIAL IS AT NORMAL CONDITIONS:

LIQUID SOLID GAS

Slurry

% VOLATILE: N/A

SOLUBILITY IN WATER:

Very Soluble in Water

SPECIFIC GRAVITY:
1.351 @ 15.6°C (60°F)

pH
8 to 9

ODOR/APPEARANCE AND COLOR:

Odorless/Clear & Bright

VAPOR DENSITY:
N/A

VAPOR PRESSURE:
N/A

G. REACTIVITY DATA

CHEMICAL STABILITY:UNSTABLE STABLE **CONDITIONS TO AVOID:**

Not applicable

INCOMPATIBILITY (MATERIALS TO AVOID):

Corrosive to some metals such as brass, mild steel, aluminum or Ferrous metals

HAZARDOUS DECOMPOSITION PRODUCTS:

Chlorine Fumes are given off @ temperature > 1600C

H. PREVENTATIVE MEASURES

| | |
|-------------------------------|--|
| Eye Contact: | Wear safety goggles |
| Skin Contact: | Wear rubber gloves, boots and long sleeve shirt |
| Inhalation: | For dusty or misty conditions, wear NIOSH approved dust or mist respirator |
| Engineered Controls: | Mechanical ventilation recommended in enclosed areas |
| Waste Disposal: | Dispose of material in government approved landfill site in accordance with local laws |
| Handling Procedures: | Wash skin and equipment with water |
| Storage requirement: | Store in cool dry area |
| Special Shipping Info: | No special shipping procedures necessary |

THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION. CONSIDERATION AND INVESTIGATION.

POLLARD HIGHWAY PRODUCTS PROVIDES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN. THIS DOCUMENT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF THE MATERIAL BY A PROPERLY TRAINED PERSON USING THIS PRODUCT. INDIVIDUALS RECEIVING THE INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGEMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE.