



ZEROMATE

Ice and Snow Melter

1. Product Description

a. **Basic Use:** Zeromate is an effective snow and ice melting pelletized chemical compound. Zeromate melts ice at temperatures of -50°F (-46°C). Zeromate may also be used to control dust, dehumidify damp rooms and freeze-proofing water type fire extinguishers.

b. **Features/Benefits:**

- Helps minimize slipping, falls, injuries and potential litigation.
- Easily applied by simply distributing pellets with hand, scoop, shovel or mechanical spreader.
- Dissolves in water fire extinguishers to prevent freezing.
- Exothermic action begins on contact and continues until ice and snow are completely melted.
- Dissolves completely leaving no unsightly deposits or residue that may be tracked onto carpets, rugs, tile or floor coverings.
- Cost effective de-icing compound may be stored indefinitely in a closed container.
- Does not harm grass, trees, bushes, shoes, clothing, tires and door mats.
- May be used to control dust inside or outside.

c. **Typical Applications:** Use Zeromate on driveways, sidewalks, steps, entrances, bridge decks, fire escapes, decks, parking decks and ramps. Zeromate is also used to dehumidify damp rooms, control dust and freeze-proofing water fire extinguishers.

d. **Limitations:** Zeromate may irritate sensitive skin.

e. **Composition:** Zeromate is 99% pure calcium chloride.

f. **Color/Appearance:** Zeromate is a white, pea-gravel sized pellet.

2. Packaging

Zeromate is supplied in two standard units as shown below:

<i>Unit</i>	<i>Shipping Wt.</i>
50-lb. (22.7 Kg) pail	53 lbs. (24.0 Kg)
100-lb. (45.4 Kg) fiber drum	105 lbs. (47.6 Kg)

3. Estimating/Coverage

Zeromate may be used at any application rate needed to melt snow and ice depending upon temperature. Other application rates are shown in Section 5.

4. Technical Data

a. **Temperature:** Melts ice at -50°F (-46°C).

b. **Chemical Action:** Zeromate has 30 times the melting power of common rock salt. It not only lowers the freezing point of water, but accelerates the melting process by liberating heat through exothermic action.

5. Directions for Use

a. **Ice Removal:** For removing ice from steps, sidewalks, driveways, ramps, and other traffic areas, sprinkle Zeromate sparingly over surface. In a few minutes Zeromate reduces solid ice to slush which can be removed easily.

b. **Dust Control:** Spread Zeromate uniformly over the dusty area at the rate of approximately 1-lb. per sq. yd. (0.54 Kg per sq. m). When dust re-appears, supplemental applications should be made at the rate of approximately 0.5 lb./sq. yd. (0.27 Kg/sq. m).

c. **Dehumidifying Damp Rooms:** Place Zeromate loosely in a mesh bag or cloth, directly over a container to catch drippings. Close all windows and doors. Zeromate will remove excess dampness from air and reduce rusting, warping and mildew.

d. **Freeze-Proofing Water Type Fire Extinguishers:** Dissolve Zeromate pellets in the water to be prevented from freezing. A rate of 2.75 lbs. (1.25 Kg) of Zeromate to each gal. (3.8 liter) of water will prevent freezing down to -18°F (-8°C). Three and one-half lbs. (1.59 Kg) will protect to -45°F (-43°C). Do not use more than 4 lbs.(1.81 Kg) /gal. (3.8 liter).

e. **Caution:** When dissolving Zeromate, use cool water below 100°F (38°C). Always keep inner bag tied tightly between uses to protect remaining contents from atmospheric moisture.

f. **Maintenance:** Zeromate surfaces should be cleaned with a Waterzall Concentrate and water solution. Zeromate may be re-applied to itself.

6. Availability

Zeromate is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Zeromate is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

4133 Payne Avenue • Cleveland, Ohio 44103
440-526-5600 • 800-526-5602 • FAX 440-526-5601