



ZIRAX LLC

MATERIAL SAFETY DATA SHEET
Product Name: Deicer IceMelt™

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General Information
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Item Name: IceMelt™
Company's Name: ZIRAX LLC
Company's Address: MICRORAION 4, HOUSE 6
Company's City: SVETLY YAR
Company's Country: RUSSIA
Company's Zip Code: 404171
Company's Info Ph #: + 7 8442 40 67 29
Date MSDS Prepared: 05 OCTOBER 2006
Safety Data Review Date: 05 OCTOBER 2011

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Ingredients/Identity Information
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Proprietary: NO
Ingredients: CALCIUM CHLORIDE/SODIUM CHLORIDE
Ingredient Sequence Number: 01 CALCIUM CHLORIDE
Percent: 94-97
NIOSH (RTECS) Number: EV9800000
CAS Number: 10043-52-4
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED
Ingredient Sequence Number: 02 SODIUM CHLORIDE
Percent: 92-99%
NIOSH (RTECS) Number: NOT APPLICABLE
CAS Number: 007647-14-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: PELLETS; WHITE; ODORLESS
Boiling Point: >2912 F, >1600oC
Melting Point: 1440 F, 782oC
Specific Gravity: 2.15
Decomposition Temperature: UNKNOWN
Solubility In Water: APPRECIABLE
Percent Volatiles By Volume: NIL
Corrosion Rate (IPY): 0.00448

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Fire and Explosion Hazard Data
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Flash Point: NONE
Extinguishing Media: WATER FOG.
Special Fire Fighting Proc: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire And Expl. Hazards: NONE SPECIFIED BY MANUFACTURER.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: STRONG MINERAL ACIDS, NON-FERROUS AND FERROUS METALS.
Hazardous Decomp Products: NONE SPECIFIED BY MANUFACTURER.
Hazardous Poly Occur: NO

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Health Hazard Data
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LD50-LC50 Mixture: ORAL LD50 (RAT) IS 1000MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: NO
Health Haz. Acute And Chronic: EYES: MAY CAUSE IRRITATION.SKIN: MAY CAUSE IRRITATION AND DRYNESS.INHAL: MAY CAUSE RESPIRATORY IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.
Signs/Symptoms Of Overexp: EYES: STINGING, REDNESS, SWELLING, TEARING.
INGEST: NAUSEA, VOMITING, DIARRHEA. SKIN: REDNESS, BURNING, CRACKING.
Med Cond Aggravated By Exp: PERSONS WITH PRE-EXISTING SKIN AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.
Emergency/First Aid Proc: SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER.EYES: FLUSH WITH WATER FOR 15 MINUTES.INHAL: REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST: GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER AND INDUCE VOMITING.

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: VENTILATE AREA. USE PROPER PROTECTIVE AND RESPIRATORY EQUIPMENT. SWEEP OR VACUUM; DO NOT CREATE DUST; PLACE IN A DRY CONTAINER FOR DISPOSAL. CLEAN SPILL AREA WITH WATER.
Neutralizing Agent: NOT APPLICABLE.
Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM INCOMPATIBLE MATERIALS.
Other Precautions: EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE; DISPOSE OF PROPERLY.

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Control Measures
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Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/FUMES.
Ventilation: LOCAL VENTILATION AT THE WORKSITE; MECHANICAL (GENERAL) VENTILATION TO MAINTAIN TLV/PEL.
Protective Gloves: PVA
Eye Protection: CHEMICAL SPLASH GOGGLES
Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.
Suppl. Safety & Health Data: NONE

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Transportation Data
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
MMAC Code: NR
Additional Trans Data: NONE

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Disposal Data
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Label Data
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Label Required: YES
Label Status: F
Common Name: CALCIUM CHLORIDE/SODIUM CHLORIDE
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: EYES: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION AND DRYNESS. INGEST: MAY CAUSE GI TRACT IRRITATION. INHAL: MAY CAUSE RESPIRATORY IRRITATION. STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM INCOMPATIBLE MATERIALS. SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH SOAP AND WATER. EYES: FLUSH WITH WATER FOR 15 MINUTES. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST: GET PROMPT QUALIFIED MEDICAL ATTENTION. IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER AND INDUCE VOMITING BY STICKING FINGER DOWN THROAT OR BY GIVING IPECAC.
Protect Eye: Y
Protect Skin: Y
Label Emergency Number: + 7 (8442) 40 67 29

Manager-Technologist
Rakhimov Zinnour