

MATERIAL SAFETY DATA SHEET

PRO-TEC PLUS

MSDS DATE: 05/14/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MELT AWAY PLUS
SOLD BY: Continental Research Corp.
PHONE: 800-325-4869

ADDRESS: P.O. Box 15204 St. Louis, MO.63110
CHEM-TEL PHONE: 1-800-255-3924 **EMERGENCY PHONE**

PRODUCT USE: Liquid De-Icer

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	OSHA PEL	ACGIH TLV
Calcium Chloride	10043-52-4	N/A	N/A
Magnesium Chloride	7791-18-6	N/A	N/A
Urea	57-13-6	N/A	N/A
Corrosion Inhibitor	N/A	N/A	N/A

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Eye irritant. May cause conjunctivitis with possible corneal injury. **SKIN:** May cause irritation with prolonged or repeated contact (dryness, redness). **INGESTION:** Irritating to the mouth and throat. May cause headache, nausea, abdominal pain. **INHALATION:** Mists may be irritating to mucous membranes in the nose, throat, and lungs.

ACUTE HEALTH HAZARDS: See health hazards above

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No

ACGIH: No

NTP: No

IARC: No

OTHER:

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact physician if irritation persist. **SKIN:** Wash with soap and water for 15 minutes. Seek medical attention.

INGESTION: Do not induce vomiting. Rinse mouth and Drink large quantities of water if conscious and alert. Seek medical attention. **INHALATION:** Move to fresh air. If not breathing administer artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR (% BY VOLUME)

UPPER: N/A

LOWER: N/A

FLASH POINT (METHOD USED - TCC): F: N/A

C: N/A

AUTOIGNITION TEMPERATURE: F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION: HEALTH: 2 **FLAMMABILITY:** 0 **REACTIVITY:** 0 **OTHER:**

HMS HAZARD CLASSIFICATION: HEALTH: 2 **FLAMMABILITY:** 0 **REACTIVITY:** 0 **PROTECTION:** B

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical. Cool fire exposed containers with water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure, exposure to high temperatures above 120F can cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Alkaline vapors in a fire.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

SECTION 6 NOTES: Keep out of reach of children.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool dry area. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

OTHER PRECAUTIONS: Keep out of reach of children. For use by trained personnel only. Wear protective gloves and eyewear when handling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Not required under normal intended use

RESPIRATORY PROTECTION: Not required under normal use.

EYE PROTECTION: Safety glasses or chemical splash goggles always recommended when using chemicals.

SKIN PROTECTION: Rubber or other chemical resistant.

WORK HYGIENIC PRACTICES: Wash hands with soap and water.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear protective outer-wear when danger of mist contact may occur. Protective rubber boots should be worn.

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MELT AWAY PLUS
EXPOSURE GUIDELINES:

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SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to amber color	ODOR: No Odor	PHYSICAL STATE: Liquid
pH AS SUPPLIED: 5 – 8	SOLUBILITY IN WATER: 100%	
BOILING POINT: F: 252 C: 122.22	MELTING POINT: F: not tested C:	
FREEZING POINT: F: not tested C:		
VAPOR PRESSURE (mmHg): 20 @	F: 77 C: 25	
VAPOR DENSITY (AIR = 1): >1 @	F: 77 C: 25	
SPECIFIC GRAVITY (H₂O = 1): 1.332 – 1.335 @	F 77 C: 25	
EVAPORATION RATE (Butyl Acetate =1): >1		
VOLATILE ORGANIC COMPOUNDS (VOC): 0%	% VOLATILE BY WEIGHT: >80%	SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: <u>STABLE</u> X <u>UNSTABLE</u>	CONDITIONS TO AVOID (STABILITY): None
INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, Acids, Chlorine	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Alkaline vapors in a fire.	
HAZARDOUS POLYMERIZATION: None	CONDITIONS TO AVOID (POLYMERIZATION): None
	SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	SECTION 11 NOTES:
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SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	SECTION 12 NOTES:
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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

RCRA HAZARD CLASS: Considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION		
PROPER SHIPPING NAME: ORM-D		
HAZARD CLASS:	ID NUMBER:	PACKING GROUP:
WATER TRANSPORTATION		
PROPER SHIPPING NAME: Call manufacturer		
HAZARD CLASS:	ID NUMBER:	PACKING GROUP:
AIR TRANSPORTATION		
PROPER SHIPPING NAME: Call manufacturer		
HAZARD CLASS:	ID NUMBER:	PACKING GROUP:
OTHER AGENCIES:		

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS	
TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed	
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None	
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): None	
311/312 HAZARD CATEGORIES: None	313 REPORTABLE INGREDIENTS: None
STATE REGULATIONS: This product contains no known chemicals regulated by California's proposition 65.	
INTERNATIONAL REGULATIONS:	SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:	PREPARATION INFORMATION: Juanita Mercure
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