

MATERIAL SAFETY DATA SHEET

Product **Melt Man® Plus Ice Melter**

PRODUCT CODE MMP50, MMP18

DATE PREPARED April 2012

DISTRIBUTOR

T and N, Inc.

815 Hwy. T - P.O. Box 240

Foristell, MO 63348



INGREDIENTS AND IDENTITY INFORMATION

INGREDIENT	PEL	TLV
Magnesium Chloride, Hexahydrate	None	None
Magnesium Chloride Solution	None	None
Granular Muriate of Potash	15 mg/m ³ *	10 mg/m ³ *

* As nuisance dust

PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT 760 mm/Hg

Greater than 225°F

APPEARANCE AND ODOR

White granular solids and flakes, no odor

MELTING POINT

Loss of hydration at 116 - 118°C

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP) RANGE

Not applicable

AUTO IGNITION TEMPERATURE

Not applicable

EXPLOSION LIMIT (%)

Lower Upper
Not applicable Not applicable

HEALTH HAZARD INFORMATION

ORAL LD₅₀

Not applicable

DERMAL LD₅₀

Not applicable

INHALATION

May cause respiratory irritation.

CHRONIC EFFECTS

Inhalation of dust may be irritating to mucous membranes. Chronic inhalation of dust may reduce lung function.

EMERGENCY AND FIRST AID PROCEDURES

EYES

Wash thoroughly with running water for at least 15 minutes.

SKIN

Wash with soap and water thoroughly. Remove chemical from skin and hair. If irritation persists, seek medical attention.

INHALATION

Remove to fresh air. Contact medical personnel if symptoms occur.

INGESTION

Call a physician or Poison Control Center immediately.

SPECIFIC GRAVITY (H₂O=1)

1.9

pH

8.0 - 9.0

SOLUBILITY IN H₂O

Soluble

EXTINGUISHING MEDIA

Non-flammable

FLAMMABLE LIMITS IN AIR, % BY VOLUME

Not applicable

PRIMARY DERMAL IRRITATION

Contact may cause skin irritation.

PRIMARY EYE IRRITATION

Contact may cause eye irritation.

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REACTIVITY DATA

MATERIAL REACTS VIOLENTLY WITH

Stable

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Not applicable

INCOMPATIBILITY

Avoid contact with strong acids. Mildly corrosive to metals in the presence of moisture.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Where exposure limits are exceeded, wear a suitable respirator (MSHA/NIOSH approved or equivalent).

VENTILATION

Work area must have adequate ventilation to limit exposure to this product.

PROTECTIVE CLOTHING

Gloves and safety goggles or glasses.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED.

- 1)Wear hand gloves and dust mask.
- 2)Contain spill.
- 3)Collect into clean container.
- 4)Apply recovered product per label instructions.

SPECIAL PRECAUTIONS

STATEMENT OF PRACTICAL TREATMENT

In case of contact, wash skin with plenty of soap and water; for eyes, flush with water for 15 minutes and get medical attention.

STORAGE AND DISPOSAL STATEMENTS

STORAGE

Store in original container, and keep any bags containing unused product in a locked storage area, inaccessible to children and domestic animals. Do not store near food or feedstuffs.

PRODUCT DISPOSAL

To dispose of bags containing unused product, securely wrap bag in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL

Do not reuse empty bag. Fold empty bag and discard in trash.

PHYSICAL DATA, % CUMULATIVE

(TYLER MESH)	OPENING	RANGE	TYPICAL
+6	(3.33MM)	4-12	8
+8	(2.36MM)	50-75	60
+10	(1.65MM)	80-95	90
+14	(1.17MM)	95-97	96
+20	(0.83MM)	97-100	98

