

MATERIAL SAFETY DATA SHEET

Product

Earth-Wise® Ice Melter

PRODUCT CODE EW50, EW50B, EW40, EW20, EW10

DATE PREPARED April 2012

DISTRIBUTOR

T and N, Inc.

815 Hwy. T - P.O. Box 240

Foristell, MO 63348



INGREDIENTS AND IDENTITY INFORMATION

INGREDIENTS	CHEMICAL NAME	CAS#
Sodium Chloride	NaCl	7647-14-5
Potassium Chloride	KCl	7447-40-7

PHYSICAL AND CHEMICAL PROPERTIES

	NaCl	KCl
MELTING POINT	801°C	Not available
BOILING POINT	1413°C	Not available
VAPOR PRESSURE	1 mm @ 365°C	Not available
% NON-VOLATILES	100	0-0.5
SOLUBILITY (H ₂ O)	38 g/100 g H ₂ O @ 20°C	@ 20°C - 26%
SPECIFIC GRAVITY	2.46	2.0
EVAPORATION RATE	Not applicable	Not available
ODOR	None	None to slightly oily odor
APPEARANCE	White crystalline	White to red in color, fine to 4 mm size granules
PHYSICAL STATE	Solid	Solid
DENSITY (LOOSE)	Not applicable	1041 to 1153 kg/m ³
FREEZING POINT	Not available	773°C
pH	Not available	8-9

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	Not applicable	SENSITIVITY TO STATIC DISCHARGE	None
FLAMMABLE	No	MEANS OF EXTINCTION	Not applicable
SPECIAL EXTINGUISHING PROCEDURES	Not applicable	UPPER & LOWER EXPLOSION LIMIT	Not applicable
AUTO IGNITION TEMPERATURE	Not applicable	TDG FLAMMABILITY CLASSIFICATION	None
HAZARDOUS COMBUSTION PRODUCTS	None	SENSITIVITY TO CHEMICAL IMPACT	None
RATE OF BURNING	Not applicable	EXPLOSIVE POWER	None to 801°C

HEALTH HAZARD INFORMATION

EYE	Mild to moderate temporary irritation	INGESTION	Large doses may cause vomiting
SKIN	Mild irritation or rash	CARCINOGENICITY	Not hazardous
INHALATION	May cause nose, throat and respiratory tract irritation	REPRODUCTIVE TOXICITY/TERATOGENICITY	No data available

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FIRST AID MEASURES

EYES

Flush with running water for at least 15 minutes and obtain medical attention.

SKIN

Flush with water, obtain medical attention if rash develops.

INHALATION

Obtain medical advice if symptoms persist.

INGESTION

Obtain medical attention. Ingestion of large amounts usually causes purging of the stomach by vomiting.

REACTIVITY DATA

STABILITY

Stable

INCOMPATIBILITY

Lithium, bromine, trifluoride, strong acids & oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

When heated to temperatures above 801°C, may emit toxic fumes of chlorine and sodium oxides.

HAZARDOUS POLYMERIZATION

Will not occur

PREVENTATIVE MEASURES

VENTILATION

Use local or area ventilation to remove dust

RESPIRATORY PROTECTION

Dust mask for comfort

SKIN PROTECTION

Work gloves desirable, but not required

EYE PROTECTION

Safety glasses

SPILL OR LEAK

Use broom or dry vacuum to collect material for proper disposal. Rinse area with water.

WASTE DISPOSAL

Review Federal, state, provincial and local government requirements prior to disposal. Keep out of drinking water sources.

STORAGE

Store in a dry area. Keep container tightly closed. Do not get in eyes, on skin or clothing. Keep away from incompatible materials.

	HMIS	NFPA
HEALTH	0	0
FLAMMABILITY	0	0
REACTIVITY	0	0
PPE	A	

HMIS

Severe = 4 Serious = 3 Moderate = 2 Slight = 1 Minimal = 0

NFPA

Extreme = 4 High = 3 Moderate = 2 Slight = 1 Insignificant = 0 Safety = A

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SUMMARY

The information and statements in these Material Safety Data Sheets are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable, depending on particular, exceptional, or variable conditions or circumstances of use, or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you, and must make independent determinations to the suitability of the information for your particular circumstances, or conditions, and of the completeness of the information available from all sources, to assure both the proper use of the material described herein and the safety and health of employees.

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