

T&N, Incorporated

Professional Turf and Ice Melt Products

815 Highway T • P.O. Box 240 • Foristell, MO 63348-0240

Local (636) 673-2505 • Toll Free (866) 670-2505 • Fax (636) 673-2750

E-Mail: tandninc@aol.com

www.tandninc.com

MATERIAL SAFETY DATA SHEET

PRODUCT **HALITE Ice Melter**

PRODUCT CODE H80, H50, H25

DATE PREPARED October 2006

DISTRIBUTOR

T and N, Inc.

815 Hwy. T - P.O. Box 240

Foristell, MO 63348

COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#
Sodium Chloride	7647-14-5
CHEMICAL FAMILY	% BY WEIGHT
Alkali Metal/Halide	90-100
CHEMICAL FORMULA	
NaCl	

HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS

FDA GRAS (Generally Recognized as Safe) List: Permitted in food. To the best of our knowledge, the chemical and toxicological properties of the materials in this product have not been thoroughly investigated.

FIRST AID MEASURES

EYE CONTACT

Flush with water for 15 minutes. If discomfort persists, seek medical attention.

SKIN CONTACT

Wash with soap and water. If discomfort develops, seek medical attention.

INHALATION

Remove from exposure area to ventilated area. If breathing discomfort persists, seek medical attention.

INGESTION

Ingesting large volumes may cause vomiting. Rinse mouth with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention.

NOTE TO PHYSICIAN

High fluid intake facilitates urinary excretion and relief of edema and temporary elevated blood pressure.

ACCIDENTAL RELEASE MEASURES

SPILL

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

FIRE FIGHTING

PRODUCTS OF COMBUSTION

Non-combustible

FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES

None to 801°C

FIRE FIGHTING MEDIA & INSTRUCTIONS

Non-combustible

SPECIAL REMARKS ON EXPLOSION HAZARDS

Not applicable

HANDLING & STORAGE

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PRECAUTIONS

Avoid contact with incompatible substance (See Section X).

STORAGE

Store in a dry area. Keep container tightly closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS (OSHA)

No specific limits have been established for sodium chloride (a soluble substance). The following limits have been generally recognized for particulates (insoluble) not otherwise recognized (PNOR): 5 mg/m³ respirable dust 8-hour TWA PEL, 15 mg/m³ total dust 8-hour.

EXPOSURE LIMITS (ACGIH)

No specific limits have been established for sodium chloride (a soluble substance). The following limits have been generally recognized for particulates (insoluble) not otherwise recognized (PNOC): 10 mg/m³ inhalable particulate TWA TLV, 3 mg/m³ respirable particulate TWA TLV>

EXPOSURE LIMITS (OTHER)

None

VENTILATION

May be necessary for nuisance dust levels.

CLOTHING

Protective clothing may be worn in dusty areas, but is generally not required.

EYE PROTECTION

Safety glasses

RESPIRATORY PROTECTION

NIOSH - Approved filtering face piece may be necessary.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL - STATE & APPEARANCE

Crystalline solid

VOLATILITY

Not applicable

MOLECULAR WEIGHT OF PURE MATERIAL

58.44

ODOR

None

pH and (% SOLUTIONS/WATER)

6.5 - 8.5 (10%)

VAPOR DENSITY

Not applicable

BOILING POINT

1413°C

TASTE

Salty

MELTING POINT

801°C

COLOR

White

SPECIFIC GRAVITY

2.16

SOLUBILITY (IN WATER)

36 g/100 g H₂O @ 20°C

VAPOR PRESSURE

1 mm @ 865°C

BULK DENSITY

Variable depending upon crystalline size
(50-85) lb/ft³

STABILITY AND REACTIVITY

STABILITY

Stable

INSTABILITY TEMPERATURE

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Not Applicable

CONDITIONS OF INSTABILITY

Not Applicable

INCOMPATIBILITY WITH VARIOUS SUBSTANCES

Lithium, bromine trifluoride, strong acids and strong oxidizing agents

CORROSIVITY

Mildly corrosive to metals in the presence of moisture

SPECIAL REMARKS ON REACTIVITY

May generate chlorine gas when in contact with incompatible substances

SPECIAL REMARKS ON CORROSIVITY

No further information

TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

Ingestion, inhalation, skin and eye contact

TOXICITY TO ANIMALS

Generally considered to be non-toxic.

Oral (LD₅₀): 4000 mg/kg (mouse); 3000 mg/kg (rat)

Oral (Ld_{L0}): 8000 mg/lg (rabbit)

CHRONIC EFFECTS ON HUMANS (CARCINOGENIC, REPRODUCTIVE, OTHERS)

Not applicable

MATERIAL COMPONENT CARCINOGENIC LISTINGS

OSHA	ISRC	NTP
No	No	No

OTHER TOXIC EFFECTS ON HUMANS

Not applicable

OTHER DATA

Skin (mild): 50 mg/24 hr (rabbit)

Eye (mild): 100 mg/24 hr (rabbit)

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS

Not Applicable

SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS

Not Applicable

ECOLOGICAL INFORMATION

ECOTOXICITY

Dissolution of sufficient quantity in water created an elevated level of salinity that may be harmful to freshwater aquatic species (e.g., acute toxicity LC₅₀ for Rainbow trout *Salmogairdneri* - 6.43 mg/L (as chloride)).

BOD₅ AND COD

Not applicable

SPECIAL REMARKS

Not applicable

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Small quantities of sodium chloride may be suitable for landfill disposal. Consult landfill owner/operator and Federal, state, provincial and local regulatory requirements for disposal considerations.

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TSCA INVENTORY STATUS

TSCA #7647-14-5

SARA LISTING

Not listed under Sections 302, 311/312 or 313

SARA TITLE III

Not listed

CERCLA INFORMATION

Not listed

RCRA INFORMATION

Not listed

TRANSPORTATION INFORMATION

DOT CLASSIFICATION

Non Hazardous

DOT/IMO LABEL

Not applicable

UN NUMBER

Not applicable

HAZARD CLASS

Not applicable

REGULATORY INFORMATION

NATIONAL FIRE PROTECTION AGENCY (NFPA) HAZARD RATING

Health Hazard (Blue) Short Term Protection

0 = Ordinary Combustible Hazards in a Fire

1 = Slightly Hazardous

2 = Hazardous

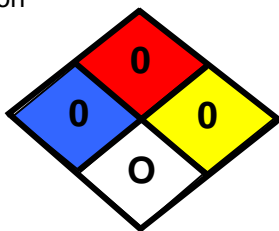
3 = Extreme Danger

4 = Deadly

Special Hazard (White)

OX = Oxidizer

W = Use No Water, Reacts!



Flammability (Red) Susceptibility to Burn

0 = Will Not Burn

1 = Will Ignite if Preheated

2 = Will Ignite if Moderately Heated

3 = Will Ignite at Most Ambient Conditions

4 = Burns Readily at Ambient Conditions

Reactivity, Instability (Yellow) Energy

0 = Stable and Not Reactive With Water

1 = Unstable if Heated

2 = Violent Chemical Change

3 = Shock and Heat may Detonate

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (NPCA - USA)

Health Hazard: 0 Fire Hazard: 0 Reactivity: 0

OTHER REGULATIONS & CLASSIFICATIONS

DSL #7647-14-5

WHMIS

Not Applicable

HCS

Not Applicable

SUMMARY

The information in this MSDS was obtained from sources which we believe are accurate and reliable. However, this information is provided without any representation or warranty expressed or implied, regarding the accuracy or correctness, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.