

The Kissner Group

M.S.D.S.

Ice Patrol Rock Salt - Ice Melter

1 - GENERAL INFORMATION

TRADE NAME: Ice Patrol
CHEMICAL NAME: Sodium Chloride
CAS NO.: 7647-14-5
FORMULA: NaCl
CONTACT: The Kissner Group
32 Cherry Blossom Road
Cambridge, Ontario N3H 4R7
Ph. (519) 279-4860
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2 - HAZARDOUS IDENTIFICATION

HAZARDOUS COMPONENTS: None
This product is not regulated under: OSHA Hazard Communication Standard 29 CFR 1910.1200
SARA Title III

3 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable
EXTINGUISHING MEDIA: Not Applicable
SPECIAL FIREFIGHTING PROCEDURES/EQUIPMENT: Not Applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

4 - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH/MSHA approved regulator for particulates.

VENTILATION:

LOCAL EXHAUST: Ventilate as required to maintain airborne particulates below occupational exposure limits.
MECHANICAL: Dust collection equipment may be employed.
SPECIAL/OTHER: Not applicable.

PERSONAL PROTECTIVE EQUIPMENT:

Protective Gloves: Normal work gloves are adequate.

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Eye Protection: Eyeglasses or goggles should be worn in dusty areas. Other protective clothing or equipment: Protective clothing may be worn in dusty areas, but is usually not required.

Work/Hygiene practices: Warm water showering and hand washing are suggested after working in extremely dusty areas.

5 - HANDLING AND STORAGE

STEPS TO BE TAKEN IN CASE

MATERIAL IS RELEASED OR SPILLED: Contain spills to prevent contamination of water supply or sanitary sewer system. Vacuum or sweep into container for proper disposal.

WASTE DISPOSAL METHOD: For disposal of this material as a waste, act in accordance with all applicable federal, state and local waste management regulations.

PRECAUTIONS TO BE TAKEN IN

HANDLING AND STORAGE: Avoid humid or wet conditions as product may cake and become hard.

OTHER PRECAUTIONS: None

6 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (760 MM Hg) (°C): 1465

VAPOR PRESSURE (mm Hg/ 747 °C): 2.4

VAPOR DENSITY (Air = 1): NA

SOLUBILITY IN WATER (g/ cc, %): 26.4

SPECIFIC GRAVITY (H₂O =1): 2.165

MELTING POINT: (°C): 800.4

EVAPORATION RATE (Butyl Acetate = 1): NA

APPEARANCE AND ODOR: White crystalline solid. No odor.

7 – REACTIVITY DATA

STABILITY: (X) Stable, () Unstable

CONDITIONS TO AVOID: Contact with strong acids

INCOMPATIBILITY (Materials to Avoid): Becomes corrosive to unprotected metals when wet.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May evolve chlorine gas when in contact with strong acids.

HAZARDOUS POLYMERIZATION: () May occur, (X) Will Not Occur

CONDITIONS TO AVOID: Not Applicable

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8 – HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION:..... May cause mild irritation of nose and throat.
SKIN:..... Dust may cause mild irritation.
INGESTION:..... Ingestion of large amounts may cause gastrointestinal upset.
HEALTH HAZARDS (ACUTE AND CHRONIC): Ingestion of large amounts
(greater than 0.1 pound) can cause gastrointestinal upset and
irritation of the stomach.
No applicable information found for chronic systemic effects.

CARCINOGENICITY:

NTP: Not listed as a carcinogen or mutagen.
IARC MONOGRAPHS:..... Not listed as a carcinogen or mutagen.
OSHA Regulated:..... Not listed as a carcinogen or mutagen.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: Slight irritation of the nose, sneezing
SKIN CONTACT: Irritation, inflammation
INGESTION: Nausea, vomiting

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

In some cases of confirmed hypertension, ingestion may result in elevated blood pressure.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:..... If person breathes large quantities, remove to fresh air
immediately. If breathing stops, apply artificial respiration
immediately.
SKIN CONTACT: Remove clothing from affected area. Wash skin thoroughly.
Rinse carefully.
EYE CONTACT:..... Flush with water immediately, lifting eyelids occasionally.
INGESTION:..... Less than a few grams would not be harmful. For larger
quantities, drink large amounts of water or milk.

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9 – PREPARATION INFORMATION

Prepared by: J. Browes
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Date: December 2010

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