

Safety Data Sheet: ICE BREAKER PLUS

Supersedes Date 05/15/2012

Issuing Date 02/12/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ICE BREAKER PLUS
Recommended use Ice melting compound
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0288
Chemical nature Aqueous solution of metal salts
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Green

Physical State Liquid

Odor Odorless

GHS

Classification

Physical Hazards

None

Health Hazard

None

Other hazards

None

Labeling

Signal Word

Not classified

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|--------------------------------|-----------|----------|
| Magnesium Chloride Hexahydrate | 7791-18-6 | 15-40 |

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point

Does not flash

Method

Seta closed cup

Upper

No data available

Lower No data available

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health 1

Flammability 1

Instability 0

HMIS

Health 1

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|---|
| Personal Precautions | Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. |
| Environmental Precautions | Do not flush into surface water or sanitary sewer system. |
| Methods for Containment | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |
| Methods for Cleaning Up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) |
| Neutralizing Agent | Not applicable. |

7. HANDLING AND STORAGE

| | | | | |
|----------------------------|--|--------------|----------------|-----------------------------------|
| Handling | Avoid contact with skin, eyes and clothing. Avoid breathing mist. | | | |
| Storage | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. | | | |
| Storage Temperature | Minimum | 35 °F / 2 °C | Maximum | 120 °F / 49 °C |
| Storage Conditions | Indoor | X | Outdoor | Heated Refrigerated |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|--------------------------------|-------------------|-------------------|-------------------|
| Magnesium Chloride Hexahydrate | No data available | No data available | No data available |

| | |
|---------------------------------------|--|
| Engineering Measures | Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. |
| Personal Protective Equipment | |
| Eye/Face Protection | Safety glasses with side-shields. |
| Skin Protection | For prolonged or repeated contact, use protective gloves with appropriate chemical resistance. |
| Respiratory Protection | In case of insufficient ventilation wear suitable respiratory equipment. |
| General Hygiene Considerations | Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------|--------------------------------|----------------------------------|--------------------|
| Physical State | Liquid | Viscosity | Non viscous |
| Color | Green | Odor | Odorless |
| Odor Threshold | Not applicable | Appearance | Transparent - Hazy |
| pH | 4 | Specific Gravity | 1.26 |
| Evaporation Rate | 0.43 (Butyl acetate=1) | Percent Volatile (Volume) | 84.4 |
| VOC Content (%) | 0 | VOC Content (g/L) | 0 |
| Vapor Pressure | 12.9 mmHg @ 70°F | Vapor Density | 0.6 (Air = 1.0) |
| Solubility | Completely soluble | n-Octanol/Water Partition | No data available |
| Melting Point/Range | No data available | Decomposition Temperature | No data available |
| Boiling Point/Range | 244.6 °F / 118 °C | Flammability (solid, gas) | No data available |
| Flash Point | Does not flash | Method | Seta closed cup |
| Autoignition Temperature | No information available. | | |
| Upper No data available | Lower No data available | | |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Chemical Stability | Stable. Hazardous polymerization does not occur. |
| Conditions to Avoid | None known |
| Incompatible Products | Strong oxidizing agents, Acids, Bases. |
| Hazardous Decomposition Products | Hydrogen chloride gas, Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides, Sodium oxides. |
| Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

| | |
|------------------------|--------------------------|
| Oral LD50 | No information available |
| Dermal LD50 | No information available |
| Inhalation LC50 | |
| Gas | No information available |
| Mist | No information available |

| | |
|--------------------------------------|---|
| Vapor | No information available |
| Principle Route of Exposure | Skin contact, Eye contact. |
| Primary Routes of Entry | Skin Absorption |
| Acute Effects | |
| Eyes | May cause eye irritation. |
| Skin | May cause skin irritation. |
| Inhalation | May cause irritation of respiratory tract. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic Toxicity | None known. |
| Target Organ Effects | None known |
| Aggravated Medical Conditions | None known |

Component Information

Acute Toxicity None known

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Magnesium Chloride Hexahydrate | no data available | no data available | no data available | no data available | no data available |

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|--------------------------------|-------------------|-------------------|------------------------|-----------------------|----------------------|
| Magnesium Chloride Hexahydrate | no data available | no data available | no data available | no data available | no data available |

Carcinogenicity There are no known carcinogenic chemicals in this product.

| Component | ACGIH | IARC | NTP | OSHA | Other |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|
| Magnesium Chloride Hexahydrate | not applicable | not applicable | not applicable | not applicable | not applicable |

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Magnesium Chloride Hexahydrate | no data available | no data available | no data available | no data available | N/A |

Persistence and Degradability No information available.**Bioaccumulation** No information available.**Mobility** No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes | No | No | No | No |

CERCLA

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|--------------------------------|--------------------------|----------------|
| Magnesium Chloride Hexahydrate | Not applicable | Not applicable |

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| 16. OTHER INFORMATION |
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Prepared By Devon Kebodeaux
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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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