Section 1: Identification

Product Identifier
Ice removal

Product Name
Trade Name: SPLASH Pet Safe Ice Melt
PN (Part number): 8# Jug-135004, 8# Shaker Bag-138080

Relevant identified uses of the substance or mixture and uses advised against
- Material for industrial applications
- Industrial and professional use
- Consumer end use

Details of the supplier of the safety data sheet

Manufacturer
SPLASH Products
51 E. Maryland Ave.
St. Paul, MN 55117
Phone: (651) 489-8211

Emergency telephone number
1-800-535-5053

Section 2: Hazard(s) Identification

OSHA/HCS status
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
Not a hazardous substance or mixture.

GHS label elements

Hazard pictograms-No Pictograms
Signal word-No Signal Words
Hazard statements-No Hazard Statements

Precautionary statements

Prevention
Not a hazardous substance or mixture.

Response
IF SWALLOWED: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

IF ON SKIN (or hair): Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.
IF IN EYES: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention immediately.

IF EXPOSED or CONCERNED:
Immediately call a POISON CENTER or a doctor/physician.

Storage
Store in a well-ventilated place.

Disposal
Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified
Product is stable.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>&lt;100</td>
<td>7786-30-3</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measurements

Description of necessary first aid measures

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention if irritation persists.

Inhalation: Bring accident victims out into the fresh air. Call a physician immediately in severe cases or if recovery is not rapid.

Skin contact: After contact with skin, wash immediately with plenty of water. Remove contaminated clothing and wash before reuse.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact
Not an eye irritant.

Inhalation
Not an inhalation hazard.

Skin contact
Does not irritate the skin.

Ingestion
Not dangerous if swallowed.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Exposure may aggravate acute or chronic asthma, emphysema and bronchitis.

Specific treatments
N/A
Protection of first-aiders
N/A

See toxicological information (Section 11)

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media
SMALL FIRE: Use DRY chemical powder, CO₂ or appropriate foam.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Unsuitable extinguishing media
None known

Specific hazards arising from the chemical
None.

Hazardous thermal decomposition products/Products of combustion
None known.

Special protective actions for fire fighters
Do not release runoff from fire control methods to sewers or waterways.

Special protective equipment for fire-fighters
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Environmental precautions

Methods and materials for containment and cleaning up:
Exposure to the spilled material may be irritating. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7: Handling and Storage

Precautions for safe handling

Protective measures, advice on general occupational hygiene and conditions for safe storage, including any incompatibilities:
Provide local or general ventilation to keep below nuisance dust limit of 15mg/m³
Avoid contact with the eyes. Avoid repeated or prolonged contact with the skin or clothing. Avoid dust inhalation. Contact lenses should not be worn.
Store in closed containers in cool, dry, isolated, well ventilated area away from heat, sources of ignition, and incompatibles.
Store in a well-ventilated area. Keep cool.

Section 8: Exposure Controls/Personal Protection

Control parameters
Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>ACGIH (TWA) N/A</td>
</tr>
</tbody>
</table>

Appropriate engineering controls and Environmental exposure controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Individual protection measures

Hygiene measures
None

Eye/face protection: Use chemical safety goggles.

Skin protection

Hand protection and Body protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Other skin protection
Wash hands and other exposed areas with mild soap and water before eating or drinking.

Respiratory protection: No respiratory protection required under normal circumstances.

Respirator Type(s) (NIOSH Approved): If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full face piece particulate respirator (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, Glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in Oxygen-deficient atmospheres.

Section 9: Physical and Chemical Properties

Appearance

Physical state: White granules
Odor: Odorless
Odor threshold: Not available
pH: No Data Available
Specific Gravity: No Data Available
Melting point: 118°C
Boiling point: No Data Available
Flash point: Not applicable
Evaporation rate (BuAc=1): Not applicable
Flammability (solid, gas): No
Lower and upper explosive (flammable) limits: Not applicable
Vapor pressure: No Data Available
Vapor density (Air=1): No Data Available
Solubility: 468.7 g/L at 20°C in water
Partition coefficient: n-octanol/water: Not Established
**Auto-ignition temperature:** Not Applicable

**Decomposition temperature:** Not Established

**Viscosity:** Not determined

**VOC%:** 0

---

### Section 10: Stability and Reactivity

**Reactivity**

Stable under recommended storage conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Will not occur.

**Conditions to avoid**

When mixed with limited amount of water enough heat may be generated to cause frothing. Exposure to moisture.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

No data available

---

### Section 11: Toxicological Information

**Information on toxicological effects**

#### Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>Acute toxicity, oral (female rat)</td>
<td>LD50 = &gt; 5000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute toxicity, dermal (rat)</td>
<td>LD50 &gt; 2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute toxicity, inhalation (rat)</td>
<td>LC50 Rat: No data available</td>
</tr>
</tbody>
</table>

**Summary Comments:**

**Sensitization**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Results</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td></td>
<td></td>
<td>No evidence of sensitization effect</td>
</tr>
</tbody>
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**Summary Comments:**

**Carcinogenicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Results</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td></td>
<td></td>
<td>No known carcinogenic effects</td>
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</tbody>
</table>

**Summary Comments:**

**Specific target organ toxicity (single exposure)**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Results</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td></td>
<td></td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

**Summary Comments:**

**Specific target organ toxicity (repeated exposure)**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Results</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td></td>
<td></td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

**Summary Comments:**

**Aspiration hazard**
Product/ingredient name | Test | Results | Basis |
--- | --- | --- | --- |
Magnesium Chloride | No Data Available | | |

**Summary Comments:**

Information on the likely routes of exposure

**Potential acute health effects**

**Eye contact:** May be irritating to the eyes.

**Inhalation:** Not found to be toxic by oral exposure as defined by OSHA. Based on toxicity data for another compound (i.e., ammonium nitrate), not expected to be toxic by dermal and inhalation exposure as defined by OSHA.

**Skin contact:** Mildly irritating to the skin.

**Ingestion:** Not found to be toxic by oral exposure as defined by OSHA. Based on toxicity data for another compound (i.e., ammonium nitrate), not expected to be toxic by dermal and inhalation exposure as defined by OSHA.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** Eye redness.

**Inhalation:** May cause irritation of the mucous membranes and upper respiratory tract.

**Skin contact:** Skin redness.

**Ingestion:** May irritate the gastrointestinal tract.

**Potential chronic health effects (Magnesium Chloride)**

- **Carcinogenicity:** No known carcinogens.
- **Mutagenicity:** Not mutagenic.
- **Teratogenicity:** Not teratogenic.
- **Developmental effects:** No data available.
- **Fertility effects:** No data available.

**Numerical measures of toxicity**

**Acute toxicity estimates**

None.

<table>
<thead>
<tr>
<th>Section 12: Ecological Information</th>
</tr>
</thead>
</table>

**Toxicity**

**Acute Fish toxicity:** (Magnesium Chloride)

LC50 - Pimephales promelas (fathead minnow) - 2,119.3 mg/l - 96 h

**Acute toxicity for daphnia:** (Magnesium Chloride)

EC50 - Daphnia magna (Water flea) – 548.4 mg/l - 48 h

**Acute toxicity for algae:** (Magnesium Chloride)

Growth inhibition EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 100 mg/l - 72 h

**Acute bacterial toxicity:** (Magnesium Chloride)

Respiration inhibition ECS0 - Sludge Treatment - > 900 mg/l - 3 h.

**Ecotoxicology Assessment:** (Magnesium Chloride)

Non-toxic to aquatic organisms as defined by USEPA. No known toxicity.

**Persistence and degradability**

**Biodegradability:** (Magnesium Chloride)

No data available

**Stability in water:** (Magnesium Chloride)

No data available

**Photodegradation:** (Magnesium Chloride)
No data available

**Volutility (Henry's Law constant):** (Magnesium Chloride)
Partition coefficient n-octanol/water (log $P_{ow}$) = No data available

**Bioaccumulative potential**

**Bioaccumulation:** (Magnesium Chloride)
No data available on bioaccumulation

**Bioconcentration factor (BCF):** No data available.

**Mobility in soil:** (Magnesium Chloride)

**Distribution among environmental compartments:**
The product is water soluble and may spread in water systems

**Other adverse effects:**
The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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**Section 13: Disposal Considerations**

**Disposal methods**
Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

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**Section 14: Transport Information**

**UN Number:** N/A
**DOT Proper Shipping Name:** Not Regulated
**Exemptions:** N/A
**Transport hazard Class(es):** N/A
**Packing Group:** N/A

**Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)**
**Transport Hazard Class(es):** N/A

**Maritime Transport IMDG/GGVSea**
**Transport Hazard Class(es):** N/A
**Marine Pollutant:** No

**Air Transport ICAO-TI and IATA-DGR**
**Transport Hazard Class(es):** N/A

---

**Section 15: Regulatory Information**

**Chemical Inventory Status-Part 1**

<table>
<thead>
<tr>
<th>Ingredient (CAS#)</th>
<th>TSCA</th>
<th>EC</th>
<th>Japan</th>
<th>Australia</th>
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</thead>
<tbody>
<tr>
<td>Magnesium Chloride (7786-30-3)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

**Chemical Inventory Status-Part 2**

<table>
<thead>
<tr>
<th>Ingredient (CAS#)</th>
<th>Korea</th>
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<th>Canada</th>
<th>Philippines</th>
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<tbody>
<tr>
<td></td>
<td>DSL</td>
<td>NDSL</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Magnesium Chloride (7786-30-3)</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
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</tbody>
</table>
**Federal, State & International Regulations - Part 1**

<table>
<thead>
<tr>
<th>Ingredient (CAS#)</th>
<th>SARA 302</th>
<th>SARA 313</th>
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</thead>
<tbody>
<tr>
<td>Magnesium Chloride (7786-30-3)</td>
<td>No</td>
<td>No</td>
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</tbody>
</table>

**Federal, State & International Regulations - Part 2**

<table>
<thead>
<tr>
<th>Ingredient (CAS#)</th>
<th>RCRA</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride (7786-30-3)</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No
TSCA 12b: No
CDTA: No

**SARA 311/312:**
Acute: Yes, Chronic: No, Fire: No, Pressure: No, Reactivity: No
Mixture/solid
Australian Hazchem Code: No information found
Poison Schedule: No information found

**Section 16: Other Information**

**History**
Date of Issue: 06/02/16
Version: 3a
Revised Sections(s): Added Shaker Bag part number
Prepared by: Andrew Gioino, SPLASH PRODUCTS

**Notice to reader**
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.