



Safety Data Sheet

Section 1: Identification

Product Identifier

Ice removal

Product Name

Trade Name: SPLASH Pet Safe Ice Melt 8# Jug

PN (Part number): 135004

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.

Section 3: Composition/Information on Ingredients

Substance/mixture: Mixture

Chemical name: N/A

Other means of identification: No

CAS number/other identifiers

Ingredient name	%	CAS number
Magnesium Chloride	<100	7786-30-3

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

Ingredient name	Exposure limits			
	ACGIH		OSHA	
Magnesium Chloride	<u>(TWA)</u>	<u>(STEL)</u>	<u>(TWA)</u>	<u>(STEL)</u>
	N/A	N/A	N/A	N/A

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

Product/ingredient name	Test	Results
Magnesium Chloride	Acute toxicity, oral (female rat)	LD50 = > 5000 mg/kg
	Acute toxicity, dermal (rat)	LD50 > 2000 mg/kg
	Acute toxicity, inhalation (rat)	LC50 Rat: No data available

Summary Comments:

Sensitization

Product/ingredient name	Test	Results	Basis
Magnesium Chloride			No evidence of sensitization effect

Summary Comments:

Carcinogenicity

Product/ingredient name	Test	Results	Basis
Magnesium Chloride			No known carcinogenic effects

Summary Comments:

Specific target organ toxicity (single exposure)

Product/ingredient name	Test	Results	Basis
Magnesium Chloride			No Data Available

Summary Comments:

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Test	Results	Basis
Magnesium Chloride			No Data Available

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.

Section 12: Ecological Information

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 EC50 - 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

Volatility (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.

Section 13: Disposal Considerations

Disposal methods

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

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

Ingredient (CAS#)	TSCA	EC	Japan	Australia
Magnesium Chloride (7786-30-3)	Yes	Yes	Yes	Yes

Chemical Inventory Status-Part 2

Ingredient (CAS#)	Korea	Canada	Canada	Philippines
Magnesium Chloride (7786-30-3)	Yes	DSL Yes	NDSL No	Yes

Federal, State & International Regulations-Part 1

Ingredient (CAS#)	SARA 302		SARA 313	
	RQ	TPQ	List Chemical	Category
Magnesium Chloride (7786-30-3)	No	No	No	No

Federal, State & International Regulations-Part 2

Ingredient (CAS#)	RCRA		TSCA
	CERCLA	261.33	8(d)
Magnesium Chloride (7786-30-3)	No	No	No

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: 06/08/15

Version: 2a

Revised Sections(s): Revised formula to remove urea

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.