Safety Data Sheet

Section 1: Identification

Product Identifier

Ice melting agent

Product Name

Trade Name: SPLASH Premium Ice Melt -15°F

PN (Part number): 10# Shaker Bag-139100, 12# Jug-136012, 20# Bag-136020

Relevant identified uses of the substance or mixture and uses advised against

-Anti-icing and De-icing

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 considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Skin corrosion/irritation, Irritant Category 2

Serious Eye Damage/Eye Irritation, Irritant Category 2A

GHS label elements

Hazard pictograms

Signal word-WARNING

Calcium chloride

Hazard statements

Causes serious eye irritation

Causes skin irritation

Precautionary statements

Prevention

Wear protective gloves/protective clothing/eye protection/face protection.

Take off contaminated clothing and wash before use

Keep away from oxidizing materials and strong acids

Response

IF SWALLOWED: Single dose oral toxicity is believed to be low. Small amounts swallowed incidental to normal handling procedures are not likely to cause injury. Ingestion may cause gastrointestinal irritation or ulceration.

IF ON SKIN (or hair): Short single exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if confined to skin or skin in abraded (scratched or cut). Material may be handled at elevated temperatures; contact with heated material may cause thermal burns. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Not classified as corrosive with TDG Act and Regulations.

IF IN EYES: Material may be handled at elevated temperatures; contact with heated material may cause thermal burns. May cause severe irritation with corneal injury. Effects may be slow to heal.

IF INHALED: Vapors are unlikely due to physical properties. Mists may cause irritation to upper respiratory tract.

IF EXPOSED or CONCERNED:

Immediately call a POISON CENTER or a doctor/physician.

Storage

No special storage conditions required.

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: Calcium Chloride

Other means of identification: No

CAS number/other identifiers

Ingredient name	%	CAS number
Calcium Chloride	20-10	1043-52-4
Sodium Chloride	90-80	7647-14-5

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 immediately.

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. Give large amounts of water or milk if available. 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

Can cause irritation to eyes and mucous membranes.

Inhalation

Vapors are unlikely due to physical properties. Mists may cause irritation to upper respiratory tract.

Skin contact

Irritation, itching, dermatitis.

Ingestion

Irritation to mucous membranes.

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

This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

Unsuitable extinguishing media

None known

Specific hazards arising from the chemical

None known

Hazardous thermal decomposition products/Products of combustion

Not applicable

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

Isolate area. Avoid contact with eye and skin. May be a slipping hazard. Stop leak if it can be done safely. Wash exposed body areas thoroughly after handling. Use appropriate safety equipment.

Environmental precautions

Methods and materials for containment and cleaning up:

For small spills: Losses incidental to correct applications of this product in its intended uses are not expected to be harmful to the environment.

For large spills: Avoid contamination of drinking water, natural water, ground water or any waterway. Losses incidental to correct applications of this product in its intended uses are not expected to be harmful to the environment.

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. Dike with suitable absorbent material like granulated clay. 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:

Product shipped/handled hot can cause thermal burns. Selection of specific items such as gloves, boots, apron, or other will depend on each operation. If hands are cut or scratched, use gloves impervious to this material for brief exposures. Use gloves with insulation for thermal protection when needed.

Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. In misty atmospheres, use an approved mist respirator.

Section 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits			
Calcium Chloride	ACGIH		OSHA	
	(TWA)	(STEL)	(TWA)	(STEL)
	10 mg/m^3	10 mg/m^3	10 mg/m^3	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: Blue colored crystalline solids

Odor: None

Odor threshold: Not determined

pH: (5% in water) 6-9

Specific Gravity: 1.988

Melting point: Not determined

Boiling point: Not determined

Flash point: Not applicable

Evaporation rate (BuAc=1): Not determined

Flammability (solid, gas): No

Lower and upper explosive (flammable) limits: LEL: Not applicable, UEL: Not applicable

Vapor pressure: 1.0 mm Hg at 865^{o}C

Vapor density (Air=1): Not applicable

Solubility: Soluble 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. Hygroscopic

Possibility of hazardous reactions

Will not occur.

Conditions to avoid

Mildly corrosive to metals in the presence of moisture

Incompatible materials

Hot nitric acid

Hazardous decomposition products

None

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Test	Results
Calcium Chloride	Acute toxicity, oral (male rat)	LD50 = 1000 mg/kg
	Acute toxicity, dermal (rabbit)	LD50 = >5000 mg/kg

Summary Comments:

Sensitization

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

Summary Comments:

Carcinogenicity

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

Summary Comments:

Specific target organ toxicity (single exposure)

Product/ingredient name	Test	Results	Basis
Calcium Chloride	STOT-one-time exposure-oral	No information available	
	STOT-one-time exposure-dermal	No information available	
	STOT-one-time exposure-inhalation	No information available	

Summary Comments:

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Test	Results	Basis
Calcium Chloride		No information available	

Summary Comments:

Aspiration hazard

Product/ingredient name	Test	Results	Basis
Calcium Chloride	No information available		

Summary Comments:

Information on the likely routes of exposure

Ingesting may irritate the gastrointestinal tract.

Potential acute health effects

Eye contact: Irritating to the eyes.

Inhalation: No information available.

Skin contact: Contact of skin can produce mild dermatitis in humans.

Ingestion: Tests involving acute exposure of rats, mice, and rabbits have demonstrated calcium chloride to have low acute toxicity from oral exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Eye irritation.

Inhalation: No information available.

Skin contact: Skin irritation.

Ingestion: May irritate the gastrointestinal tract, cause nausea, and vomiting.

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

Carcinogenicity: No known carcinogens.

Mutagenicity: No data available.

Teratogenicity: No data available.

Developmental effects: No data available.

Fertility effects: No data available.

Numerical measures of toxicity

Acute toxicity estimates

0% of the mixture consists of ingredients of known toxicity.

Section 12: Ecological Information

Toxicity

Acute Fish toxicity: (Calcium Chloride)

LC50 – Lepomis macrochirus (Bluegill) – 10,650 mg/l - 96 h

Acute toxicity for daphnia: (Calcium Chloride)

EC50 - Daphnia magna (Water flea) – 2,400 mg/l - 48 h

Acute toxicity for algae: (Calcium Chloride)

EC50 - Scenedesmus capricornutum (fresh water algae) – No information available

Acute bacterial toxicity: (Calcium Chloride)

No data available.

Ecotoxicology Assessment: (Calcium Chloride)

Material is expected to be slightly toxic to aquatic life.

Persistence and degradability

Biodegradability: (Calcium Chloride)

Product is not biodegradable

Stability in water: (Calcium Chloride)

No data available

Photodegradation: (Calcium Chloride)

No data available

Volatility (Henry's Law constant): (Calcium Chloride)

No data available

Bioaccumulative potential

Bioaccumulation: (Calcium Chloride)

Does not bioaccumulate

Mobility in soil: (Calcium Chloride)

Distribution among environmental compartments:

Does not bioaccumulate

Other adverse effects:

No information available

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: Not regulated

UN Proper Shipping Name: CALCIUM CHLORIDE

Transport hazard Class(es): N/A

Packing Group: N/A

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)

Transport Hazard Class(es): Not Regulated

Maritime Transport IMDG/GGVSea

Transport Hazard Class(es): Not Regulated

Marine Pollutant: No

Air Transport ICAO-TI and IATA-DGR

Transport Hazard Class(es): Not regulated

Section 15: Regulatory Information

Chemical Inventory Status-Part 1

Ingredient (CAS#)	TSCA	EC	Japan	Australia
Calcium Chloride (10043-52-4)	Yes	Yes	Yes	Yes

Chemical Inventory Status-Part 2

Ingredient (CAS#)	Korea	Canada	Canada	Philippines
		DSL	NDSL	
Calcium Chloride (10043-52-4)	Yes	Yes	No	Yes

Federal, State & International Regulations-Part 1

	SARA 302		SARA 313	
Ingredient (CAS#)	RQ	TPQ	List Chemical	Category
Calcium Chloride (10043-52-4)	No	No	No	No

Federal, State & International Regulations-Part 2

	RCRA		TSCA
Ingredient (CAS#)	CERCLA	261.33	8(d)
Calcium Chloride (10043-52-4)	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: None allocated

Poison Schedule: No information found

Section 16: Other Information

History

Date of issue: 08/22/16

Version: 4a

Revised Sections(s): Changed first aid statement

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Notice to reader

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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.