

Safety Data Sheet (SDS) Report

Applicant: Snow Joe, LLC

305 Veterans Blvd | Carlstadt | NJ | 07072

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : T10 home
Physical State : Solid

Data Received : Jul 17, 2019

Data Reviewed : Jul 24, 2019

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai

Anna Wang Regulatory Consultant This report shall not be reproduced except in full, without the written approval of the laboratory.

SDS number:

Issue Date:

190401118SHA02

2019-07-24

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Safety Data Sheet

T10 home

Snow Joe, LLC

SDS number: 190401118SHA02

Issue Date:24/07/2019 GHS.USA.EN

Version No:1.0

According to OSHA HazCom Standard (2012) requirements

SECTION 1 IDENTIFICATION

Product Identifier

Product name	T10 home
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Relevant identified uses

Snowmelt

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Supplier name	Snow Joe, LLC
Address	305 Veterans Blvd Carlstadt NJ 07072
Telephone	001.732.832.2507
Email	dwagner@snowjoe.com

Emergency phone number

Association / Organisation	Snow Joe, LLC
Emergency telephone numbers	001.732.832.2507
Other emergency telephone numbers	

SECTION 2 HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes.

Classification

Eye Irritation Category 2A

Label elements

Hazard pictogram(s)



SIGNAL WORD

WARNING

Hazard statement(s)

H319

Causes serious eye irritation.

Hazard(s) not otherwise classified

Not Applicable

Supplementary statement(s)

Not Applicable

Precautionary statement(s) General

Not Applicable

Precautionary statement(s) Prevention

P264	Wash thoroughly before handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s) Response

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
10043-52-4	94.8	calcium chloride
7647-14-5	2.5	sodium chloride
7786-30-3	0.1	magnesium chloride
1305-62-0	0.08	calcium hydroxide
10101-41-4	0.01	calcium sulfate

SECTION 4 FIRST-AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: • Wash out immediately with fresh running water. • Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. • Seek medical attention without delay; if pain persists or recurs seek medical attention. • Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	 If furnes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
 Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Special protective equipment and precautions for fire-fighters				
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. 			
Fire/Explosion Hazard	 Non combustible. Not considered a significant fire risk, however containers may burn. Decomposition may produce toxic fumes of: hydrogen chloride metal oxides May emit poisonous fumes. May emit corrosive fumes. 			

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	 ▶ Remove all ignition sources. ▶ Clean up all spills immediately.
Major Spills	► CAUTION:Advise personnel in area.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs.
Other information	 Material is hygroscopic, i.e. absorbs moisture from the air. Keep containers well sealed in storage. Store in original containers. Keep containers securely sealed.

Conditions for safe storage, including any incompatibilities				
Suitable container	► Flame retardancy ABS container			
Storage incompatibility	Calcium chloride (and its hydrates): • are incompatible with boric acid, calcium oxide, bromine trifluoride, 2-furan, percarboxylic acid • may produce explosive hydrogen gas on contact with zinc • catalyse exothermic polymerisation of methyl vinyl ether • produce heat on contact with water • attack metals			

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Levels (PELs) - Table Z1	magnesium chloride	Manganese compounds (as Mn)	Not Available	Not Available	5 mg/m3	Not Available
US NIOSH Recommended Exposure Limits (RELs)	calcium hydroxide	Calcium hydrate, Caustic lime, Hydrated lime, Slaked lime	5 mg/m3	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	calcium hydroxide	Calcium hydroxide	5 mg/m3	Not Available	Not Available	TLV® Basis: Eye, URT, & skin irr
US OSHA Permissible Exposure Levels (PELs) - Table Z1	calcium hydroxide	Calcium hydroxide: Total dust	15 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	calcium hydroxide	Calcium hydroxide: Respirable fraction	5 mg/m3	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	calcium sulfate	Anhydrous calcium sulfate, Anhydrous gypsum, Anhydrous sulfate of lime, Calcium salt of sulfuric acid [Note: Gypsum is the dihydrate form and Plaster of Paris is the hemihydrate form.]	10 (total), 5 (resp) mg/m3	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	calcium sulfate	Calcium sulfate	10 mg/m3	Not Available	Not Available	TLV® Basis: Nasal symptoms
US ACGIH Threshold Limit Values (TLV)	calcium sulfate	Calcium sulfate	10 mg/m3	Not Available	Not Available	TLV® Basis: Nasal symptoms
US OSHA Permissible Exposure Levels (PELs) - Table Z1	calcium sulfate	Calcium sulfate: Total dust	15 mg/m3	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	calcium sulfate	Calcium sulfate: Respirable fraction	5 mg/m3	Not Available	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
calcium chloride	Calcium chloride dihydrate	16 mg/m3	170 mg/m3	1,100 mg/m3
calcium chloride	Calcium chloride	12 mg/m3	130 mg/m3	790 mg/m3
calcium chloride	Calcium chloride hydrate	13 mg/m3	140 mg/m3	850 mg/m3
calcium chloride	Calcium chloride hexahydrate	24 mg/m3	260 mg/m3	1,600 mg/m3
sodium chloride	Chloride; (Chloride(1-); Chloride ions)	0.5 ppm	2 ppm	20 ppm

magnesium chloride	Magnesium chloride		11 mg/m3	120 mg/m3	550 mg/m3
magnesium chloride	Magnesium chloride hexahydrate		34 mg/m3	370 mg/m3	1,600 mg/m3
calcium hydroxide	Calcium hydroxide		1 mg/m3	240 mg/m3	1,500 mg/m3
calcium sulfate	Calcium(II) sulfate dihydrate (1:1:2)		30 mg/m3	330 mg/m3	2,000 mg/m3
calcium sulfate	Calcium sulfate anhydrous; (Drierite; Gypsum; Plaster of Paris)		30 mg/m3	330 mg/m3	2,000 mg/m3
Ingredient	Original IDLH	Revised ID	LH		

Ingredient	Original IDLH	Revised IDLH
magnesium chloride	500 mg/m3	Not Available

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
Personal protection	
Eye and face protection	 ▶ Safety glasses with side shields. ▶ Chemical goggles.
Skin protection	See Hand protection below
Hands/feet protection	The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Experience indicates that the following polymers are suitable as glove materials for protection against undissolved, dry solids, where abrasive particles are not present. • polychloroprene.
Body protection	See Other protection below
Other protection	► Overalls. ► P.V.C.

Respiratory protection

▶ Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Flammable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	 Unstable in the presence of incompatible materials. Product is considered stable.

Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on to	kicological	effects
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Information on toxicological	effects
	calcium chloride
	dermal (rat) LD50: =2630 mg/kg ^[2]
	sodium chloride
	Oral (rat) LD50: 3000 mg/kg ^[2]
Acute Toxicity	magnesium chloride
	dermal (rat) LD50: >2000 mg/kg ^[1]
	Oral (rat) LD50: 2800 mg/kg ^[2]
	calcium hydroxide
	dermal (rat) LD50: >2000 mg/kg ^[1]
Skin Irritation/Corrosion	No skin irritation
Serious Eye Damage/Irritation	Causes serious eye irritation.
Respiratory or Skin sensitization	No data available
Mutagenicity	No data available
Carcinogenicity	No data available
Reproductivity	No data available
STOT - Single Exposure	No data available
STOT - Repeated Exposure	No data available
Aspiration Hazard	No data available
Legend:	Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

T10 home No data available for the mixture

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
sodium chloride	LOW	LOW
magnesium chloride	HIGH	HIGH
calcium sulfate	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
sodium chloride	LOW (LogKOW = 0.5392)
magnesium chloride	LOW (LogKOW = 0.0494)
calcium sulfate	LOW (LogKOW = -2.2002)

Mobility in soil

•	
Ingredient	Mobility
sodium chloride	LOW (KOC = 14.3)
magnesium chloride	LOW (KOC = 23.74)

Issue Date:24/07/2019

calcium sulfate

LOW (KOC = 6.124)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal

- ▶ DO NOT allow wash water from cleaning or process equipment to enter drains.
- It may be necessary to collect all wash water for treatment before disposal.
- ▶ Recycle wherever possible or consult manufacturer for recycling options.
- ► Consult State Land Waste Management Authority for disposal.

SECTION 14 TRANSPORT INFORMATION

Marine Pollutant

NO

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

CALCIUM CHLORIDE(10043-52-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US DOE Temporary Emergency Exposure Limits (TEELs)

US TSCA Chemical Substance Inventory - Interim List of Active Substances

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

SODIUM CHLORIDE(7647-14-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US DOE Temporary Emergency Exposure Limits (TEELs)

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory US TSCA Chemical Substance Inventory - Interim List of Active Substances

$\ \|$ Magnesium Chloride(7786-30-3) is found on the following regulatory lists

US - Michigan Exposure Limits for Air Contaminants	US DOE Temporary Emergency Exposure Limits (TEELs)
US - Oregon Permissible Exposure Limits (Z-1)	US EPCRA Section 313 Chemical List
US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US ACGIH Threshold Limit Values (Spanish)	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
	LISTSCA Chamical Substance Inventory Interim List of Active Substances

CALCIUM HYDROXIDE(1305-62-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants
US - California Permissible Exposure Limits for Chemical Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants
US - Hawaii Air Contaminant Limits	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air
US - Idaho - Limits for Air Contaminants	Contaminants
US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits	US - Washington Permissible exposure limits of air contaminants
US - Massachusetts - Right To Know Listed Chemicals	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Minnesota Permissible Exposure Limits (PELs)	US Department of Transportation (DOT), Hazardous Material Table
US - Oregon Permissible Exposure Limits (Z-1)	US DOE Temporary Emergency Exposure Limits (TEELs)
US - Pennsylvania - Hazardous Substance List	US NIOSH Recommended Exposure Limits (RELs)
US - Rhode Island Hazardous Substance List	US OSHA Permissible Exposure Levels (PELs) - Table Z1
	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
	US TSCA Chemical Substance Inventory - Interim List of Active Substances

CALCIUM SULFATE(10101-41-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air
US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELs)	Contaminants
US - Hawaii Air Contaminant Limits	US - Washington Permissible exposure limits of air contaminants
US - Idaho - Limits for Air Contaminants	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Massachusetts - Right To Know Listed Chemicals	US ACGIH Threshold Limit Values (TLV)
US - Michigan Exposure Limits for Air Contaminants	US DOE Temporary Emergency Exposure Limits (TEELs)
US - Minnesota Permissible Exposure Limits (PELs)	US NIOSH Recommended Exposure Limits (RELs)
US - Oregon Permissible Exposure Limits (Z-1)	US OSHA Permissible Exposure Levels (PELs) - Table Z1
US - Pennsylvania - Hazardous Substance List	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
US - Rhode Island Hazardous Substance List	US TSCA Chemical Substance Inventory - Interim List of Active Substances
US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants	

Federal Regulations

US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants

SECTION 311/312 HAZARD CATEGORIES Flammable (Gases, Aerosols, Liquids, or Solids) Nο Gas under pressure No No Explosive Self-heating No Pyrophoric (Liquid or Solid) No Pyrophoric Gas No Corrosive to metal No Oxidizer (Liquid, Solid or Gas) No Organic Peroxide No Self-reactive No In contact with water emits flammable gas No Combustible Dust No Carcinogenicity No Acute toxicity (any route of exposure) No No Reproductive toxicity Skin Corrosion or Irritation No Respiratory or Skin Sensitization No Serious eye damage or eye irritation Yes Specific target organ toxicity (single or repeated exposure) No Aspiration Hazard No Germ cell mutagenicity No Simple Asphyxiant No Hazards Not Otherwise Classified No

US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)

State Regulations

US. CALIFORNIA PROPOSITION 65

None Reported

SECTION 16 OTHER INFORMATION

Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

Definitions and abbreviations

PC - TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL: No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index