



SAFETY DATA SHEET

1. Identification

Product Identifier	Citrus Cream	
Other means of identification	CST-210-16	
Product code		
Recommended use	Gum remover.	
Recommended restrictions	Professional use only.	
Manufacturer information		
Company name	Cleansmart Technologies	
Address	P.O. Box 2126 Loveland, CO 80539	
Telephone	(877) 701-5271	
Emergency phone number	PERS	(800) 633-8253
	24-hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute Toxicity-Oral	Category 4
	Skin irritation	Category 2
	Eye irritation	Category 2A
	Skin Sensitizer	Category 1B
	Aspiration Hazard	Category 2
Environmental hazards	Hazardous to aquatic environment, acute hazard	Category 3
OSHA defined hazards	None.	
Label elements		



Signal word	DANGER
Hazard statement	Flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation. Harmful if swallowed
Precautionary statement	
Prevention	Wash hands and exposed skin thoroughly after handling. Wear protective gloves. Wear eye protection/face protection. Do not release into the open environment (soil or water). Keep away from flames, open ignition sources and heating equipment. Ground and bond all transfer components to prevent static discharge
Response	IF ON SKIN: Wash with plenty of water. Specific treatment (see section 4 on this SDS). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists: Get medical advice/attention.



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IF SWALLOWED: Seek immediate medical assistance if you feel unwell. Do not induce vomiting unless instructed by a qualified medical professional. If vomiting occurs, roll the victim on their side to prevent inhalation of stomach contents.

Storage	No prescriptive instructions
Disposal	No prescriptive instructions. Dispose in accordance with applicable federal, state, and local rules and regulations.
Hazard(s) not otherwise classified (HNOC)	None.
Supplemental information	None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
D-limonene	5989-27-5	30.0-50.0%
Other components below reportable levels		50.0-70.0%

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and warm water for at least 15 minutes. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with caution.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this may spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable vapors will be released under ambient temperatures and mild heating.



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6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

This product is miscible in water.

Large spills: Collect the spilled material if this is without risk. Avoid using water wash-down to prevent spreading of the product. Cover with plastic sheet to prevent vapors from spreading. Collect the material using a non-sparking shovel and place into labeled containers. Prevent entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water collecting reinstate into properly labeled containers

Small spills: Wipe up with absorbent material (e.g., dustpan, absorbent wipes). Clean surface thoroughly with water to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the open environment. Avoid discharge into surface drainage paths and other areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US OSHA Table Z-2 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
d-Limonene	TWA	165.5 mg/m ³ 330 ppm
2-butoxyethanol)	PEL	50 ppm (skin)

US ACGIH Threshold Limit Values

Components	Type	Value
Orange Citrus (CAS 5989-27-5	TWA	165.5 mg/m ³ (30 ppm)
2-butoxyethanol)	TWA (Skin)	20 ppm (8-hour)

Biological limit values

No data available.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.



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Individual protection measures, such as personal protective equipment

Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber
Other	Wear appropriate chemical-resistant clothing where indicated.
Respiratory protection	Respiratory protection not indicated for prescribed use of this product.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical State	Semi-Solid
Color	White/Opaque
Odor	Citrus
Odor threshold	Not available.
pH	5-7
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (>100°C).
Flash point	>128°F (>196°C).
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available. Estimated
Lower	Not available. Estimated 1.1%
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.01
Solubility in water	Complete.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions	Hazardous polymerization does not occur.



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Conditions to avoid	Material decomposes with the potential to produce a rupture of unvented closed containers. Avoid storing in excessive heat or sunlight.
Incompatible materials	Strong oxidizers and strong acids
Hazardous decomposition products	No hazardous decomposition products occur. Oxides of carbon and nitrogen can be liberated at temperatures well above ambient.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Do not ingest. May be harmful if swallowed.
Inhalation	Do not inhale. May irritate the upper respiratory tract.
Skin contact	Can cause skin irritation.
Eye contact	Can cause serious eye irritation.
Symptoms related to the physical, chemical, and toxicological characteristics	Skin irritation, serious eye irritation and dermatitis. . Pain, redness, swelling of the conjunctiva and eye tissue damage. Ingestion may cause Pain, nausea, vomiting and diarrhea
Acute toxicity	Expected to have low toxicity to humans.

Product Citrus Cream (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	> 2200 mg/kg (estimated).
Acute	Dermal, rabbit	> 5,200 mg/kg
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Can cause skin irritation and dermatitis.
Serious eye damage/ irritation	Can cause serious eye irritation.
Respiratory sensitization	Not considered a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not considered a carcinogen. No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	No data available.
Specific target organ toxicity – single exposure	May irritate the upper respiratory tract with prolonged inhalation of mists or vapors.
Specific target organ toxicity – repeated exposure	No data available.
Aspiration hazard	Harmful if inhaled into the lungs

12. Ecological information

Ecotoxicity		
Product Citrus Cream (CAS mixture)		
Aquatic Receptor	Species	Test Results
Crustacea	Daphnia magna	EC ₅₀ = 126.8 mg/L (estimated) 48-hr
Fish	Fathead minnow <i>Pimephales promelas</i>	LD ₅₀ = 254.4 mg/L (estimated) 96-hr
*Estimates for product may be based on additional component data not shown		



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Persistence and degradability	Chemicals of this class are not expected to be persistent in an open, aerobic environment
Bioaccumulative potential	Expected to be low, will likely degrade before accumulation can occur.
Mobility in soil	Chemicals of these classes are highly water soluble and will partition readily to water and weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
Other adverse effects	No other adverse environmental effects known (<i>i.e., ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor, or other deleterious environmental effect</i>).

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer, and the waste disposal company. As packaged, free liquid within this product may meet criteria defining RCRA ignitable (D001) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been accurately assessed and, as necessary, tested to confirm regulatory status
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (See: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

USDOT	
UN number	UN2319
UN proper shipping name	Terpene hydrocarbons, n.o.s.
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packaging group	III
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
Marine pollutant	Not classified
Special precautions for user	This product is not intended to be transported in bulk.
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code	
DOT Label/Placard	





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15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – Yes

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting) Not listed.

TSCA – All chemical components used to manufacture this product comply with the Toxic Substances Control Act (TSCA) registry requirements and are either listed within, or exempted from, the current TSCA 8(b) inventory.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (3/2021)

16. Other information, including date of preparation or last revision

Issue date 7/6/2021

Revision date

Version # 1

HMIS® ratings
Health: 2
Flammability: 2
Physical hazard: 0

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	

NFPA ratings

Health: 2
Flammability: 2
Instability: 0





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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information

First edition.