

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - IDENTIFICATION

Product identifier	BIODEGRADABLE ORGANIC INSTANT HAND SANITIZER - LEMON SCENT
Other means of identification	None
Recommended use and restrictions on use	Hand Sanitizer
Initial supplier identifier	ESPACE BÉTON 301, rue Omer-DeSerres #105, Blainville, Quebec, CANADA J7C 0K2 Phone – 438-492-4450
Emergency telephone number/restriction on use	Canada – 1-866-795-8481

SECTION 2 - HAZARD IDENTIFICATION

Classification of hazardous product (name of the category or subcategory of the hazard class)	Flammable liquids : Category 3 Eye irritation : Category 2A
--	--

Information elements

(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)



H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. **P233** Keep container tightly closed. **P240** Ground/bond container and receiving equipment. **P241** Use explosion-proof electrical/ ventilating/ lighting/ equipment. **P242** Use only non-sparking tools. **P243** Take precautionary measures against static discharge. **P280** Wear eye protection/ face protection. **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. **P370 + P378** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. **P403 + P235** Store in a well-ventilated place. Keep cool. **P501** Dispose of contents/ container to an approved waste disposal plant.

Other Hazards Known	None
---------------------	------

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
Ethyl Alcohol	64-17-5	70 - 80
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	110-82-7	< 0.5
Triethanolamine	102-71-6	< 0.5
Citrus Aurantium Bergamia (Bergamot) Fruit Extract	89957-91-5	25-30
Lemon Oil	8008-56-8	< 0.2

All ingredients are listed according to OSHA (29 CFR).

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

SECTION 4 - FIRST AID MEASURES

Inhalation	IF INHALED: If inhaled, remove to fresh air. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
Skin contact	IF ON SKIN: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
Eye contact	IF IN EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
Most important symptoms and effects (acute and delayed)	Causes serious eye irritation.
Indication of immediate medical attention/special treatment	When symptoms persist or in all cases of doubt seek medical advice.

SECTION 5 - FIREFIGHTING MEASURES

Specific hazards of the hazardous product (hazardous combustion products)	Carbon oxides. Flammable under high temperature of fire source
Suitable and unsuitable extinguishing media	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment and precautions for fire-fighters	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions.
Methods and materials for containment and cleaning up	Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	For personal protection see section 8. Keep away from heat. Use with local exhaust ventilation. Avoid contact with eyes.
Conditions for safe storage, including any incompatibilities	Take measures to prevent the build up of electrostatic charge. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and wellventilated place. Store in accordance with the particular national regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)	Exposure limits: None;
Appropriate engineering controls	Supply with sufficient partial air exhaust.
Individual protection measures/personal protective equipment	Generally do not need special protection

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / color	Clear gel	Vapour pressure	Not available
Odour	Lemon	Vapour density	Not available
Odour threshold	Not available	Relative density	0.88 g/cm ³
pH	5 - 7	Solubility	Soluble
Melting point	Not available	Partition coefficient of n-octanol/water	Not available
Boiling point	Not available	Auto-ignition temperature	Not available
Flash point	>22°C	Decomposition temperature	The substance or mixture is not classified self-reactive.
Evaporation rate	Not available	Viscosity	7000-10000 mPa.s
Flammability (solid, gas)	Not applicable	VOC	Not available
Upper/Lower flammability or explosive limits	Not available	Other	None know

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard.
Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid (static discharge, shock or vibration)	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Flammable solids, Self-reactive substances and mixtures, Water-reactive substances
Hazardous decomposition products	None known

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Inhalation. Eye contact. Skin contact
Symptoms related to the physical, chemical and toxicological characteristics	Not classified based on available information.
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	Skin Sensitization – No data available ; Respiratory Sensitization – No data available ; Germ Cell Mutagenicity – No data available ; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available ; Specific Target Organ Toxicity — Single Exposure – No data available ; Specific Target Organ Toxicity — Repeated Exposure – No data available ; Aspiration Hazard – No data available ; Health Hazards Not Otherwise Classified – No data available.
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀)	Not available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information)	No data available for this product
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES : Dispose of in accordance with local regulations.

CONTAMINATED PACKAGING : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 - TRANSPORT INFORMATION

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:

UN 1987; Alcohols, n.o.s. (Ethanol, Propan-2-ol); CLASS 3; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):

UN 1987; Alcohols, n.o.s. (Ethanol, Propan-2-ol); CLASS 3; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):

UN 1987; Alcohols, n.o.s. (Ethanol, Propan-2-ol); CLASS 3; PG III

Special Precautions (transport/conveyance): None known

Environmental hazards (IMDG or other): None known

SECTION 15 - REGULATORY INFORMATION

Law information

The components of this product are reported in the following inventories:

TSCA On TSCA Inventory

AICS On the inventory, or in compliance with the inventory

DSL On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

ISHL On the inventory, or in compliance with the inventory

KECI On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

NZIoC On the inventory, or in compliance with the inventory

In accordance with all the federal, State and Local laws.

Environmental Canadian regulations specifics

No substances are subject to a Significant New Activity Notification

SECTION 16 - OTHER INFORMATION

Date of the latest revision of the safety data sheet

March 27, 2020 version 1.0

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 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.
