



ALPINE SANITATION & SUPPLIES LTD.  
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## MATERIAL SAFETY DATA SHEET

### BIOMAX CITRUS HAND SANITIZER

#### PRODUCT INFORMATION

PRODUCT NAME: BIOMAX CITRUS HAND SANITIZER  
GENERAL/GENERIC NAME:  
PRODUCT USE: Waterless Hand Sanitizer  
TDG HAZARD CLASSIFICATION: Not Regulated  
WHMIS CLASSIFICATION: D2B  
VENDOR NAME AND ADDRESS: Alpine Sanitation & Supplies Ltd.  
24 Ronson Drive, unit 16  
Etobicoke, Ontario M5W 1B4  
(416) 744-2120

#### Section I. Product Identification and Uses

		HFRP - HMIS	
	Health Hazard	* 1	
	Fire Hazard	4	
	Reactivity	0	
	Personal Protection		1
Common / Trade name	BIOMAX CITRUSHAND SANITIZER UNIV.DIN	TDG	ETHANOL SOLUTION Class 3
WHMIS Code	Not a WHMIS controlled material. 1196	PIN PG	UN1170 II
Material uses	Hand sanitizer		

#### Section II. Hazardous Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC50/LD50
Ethyl alcohol	64-17-5	30-60	Not available.	ORAL (LD50): Acute: 8300 mg/kg [Mouse]. 13700 mg/kg [Rat]. 17750 mg/kg [Rat].

#### Section III. First Aid Measures

**Eye contact** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.  
**Skin contact** NO known EFFECT according to our data base.  
**Inhalation** Allow the victim to rest in a well ventilated area.  
**Ingestion** DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

#### Section IV. Physical Data

<b>Physical state and appearance</b>	Liquid. (Clear gel.)	<b>Color</b>	Colorless.
<b>pH (1% soln/water)</b>	6 [Acidic.]	<b>Odor</b>	Citrus.
<b>pH (concentrate)</b>	Not available.	<b>Volatility</b>	95% (v/v).
<b>Boiling point</b>	Weighted average: 86.91°C (188.4°F)	<b>Vapor density</b>	Weighted average: 1.36 (Air = 1)
<b>Specific gravity</b>	0.896 (Water = 1)	<b>Vapor pressure</b>	Weighted average: 4.37 kPa (at 20°C)

Solubility Easily soluble in cold water, hot water, methanol, diethyl ether. Partially soluble in n-octanol.

#### Section V. Fire and Explosion Data

<b>The product is:</b>	Flammable.
<b>Auto-ignition temperature</b>	399°C (750.2°F)
<b>Flash points</b>	OPEN CUP: 12.5°C (54.5°F)
<b>Degradation products</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Extinguishing media</b>	SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

#### Section VI. Reactivity Data

<b>Stability</b>	The product is stable.
<b>Decomp. products</b>	See fire degradation products.
<b>Reactivity</b>	Slightly reactive to reactive with oxidizing agents.

#### Section VII. Toxicological Properties

<b>Routes of entry</b>	Ingestion. Inhalation. Eye contact. Skin contact.
<b>Toxicity for animals</b>	Acute oral toxicity (LD <sub>50</sub> ): 7060 mg/kg (Ethanol). [Rat.]
<b>Acute effects</b>	Dangerous in case of ingestion, of inhalation. Slightly dangerous in case of eye contact (irritant). May cause dizziness, nausea or have anaesthetic effects if inhaled.
<b>Chronic effects</b>	<b>CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.</b>

#### Section VIII. Preventive Measures

<b>Waste disposal</b>	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
<b>Storage</b>	Keep away from heat, from sources of ignition. Keep in a cool, well-ventilated place. A refrigerated room

would be preferable for materials with a flash point lower than 37.8°C (100°F).

**Precautions**

Keep away from heat. Keep away from sources of ignition. **DO NOT** ingest. If ingested, seek medical advice

immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Avoid contact with eyes.

**Spill and leak**

Eliminate all sources of ignition and ventilate the area. Absorb with an inert DRY material and place in an appropriate waste disposal container. Finish cleaning the spill area with running water. Dispose of in accordance with federal, provincial, or local regulations.

**Section IX. Personal protective equipment**

**Gloves**

Not applicable.

**Respiratory**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Eyes**

Splash goggles.

**Other**

Face shield, full suit, boots:are recommended under exceptional circumstances such as fire, spill or for prolonged contactwith bulk quantites.

**Eng. controls**

Provide exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**PREPARATION INFORMATION**

DATE REVISED:	October 22, 2008	NA	Not Applicable
DATE PREPARED:	October 13, 1999	ND	No Data Available
PREPARED BY:	Lab Personnel	NE	None Established
PHONE:	(416) 744-2120	NR	Not Regulated

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