

MATERIAL SAFETY DATA SHEET

BIOMAX CITRUS HAND SANITIZER

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: BIOMAX CITRUS HAND SANITIZER
 GENERAL/GENERIC NAME:
 PRODUCT USE: Waterless Hand Sanitizer
 EFFECTIVE DATE: October 6, 2011
 VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
 24 Ronson Drive, Unit 16
 Etobicoke, Ontario M9W 1B4
 613-996-6666
 24 HOUR EMERGENCY NO.

SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Ethyl alcohol	30 – 60	64-17-5	ND	Oral (LD50) Acute 8300 mg/kg (mouse) 13700 mg/kg (rat) 17750 mg/kg (rat)

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry:

Skin Contact: May cause irritation.

Eye Contact: May cause transient irritation.

Inhalation: Mist may cause irritation of the respiratory tract.

Ingestion: May cause irritation to digestive tract.

Effects of Acute Exposure: (see section 11 for Toxicological information).

SECTION 4 – FIRST AID

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

Skin Contact: Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

Inhalation: Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

Ingestion: Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: Closed cup: Between -18°C (0°F) and 23°C (73°F)
 FLAMMABLE LIMITS: Product is flammable.
 AUTO-IGNITION TEMP: 399°C
 EXTINGUISHING MEDIA: As per surrounding fire.
 SPECIAL FIREFIGHTING PROCEDURES: None
 EXPLOSION DATA: Small Fire: Use dry chemicals, CO2, alcohol foam or water spray.
 Large Fires: Use alcohol foam or water spray or fog
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon .

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak/Spill: Contain spills; absorb onto inert material.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures: Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

Storage Procedures: Keep from freezing. Keep containers closed when not in use.

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SECTION 8 – EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required under adequate ventilation.
VENTILATION: General ventilation adequate.
PROTECTIVE GLOVES: Rubber or Neoprene
EYE PROTECTION: Safety goggles
OTHER PROTECTIVE MEASURES: Wear proper safety equipment when handling product. Eye wash station should be available.

SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE AND ODOUR: Clear gel.
ODOUR THRESHOLD: ND
SPECIFIC GRAVITY: 0.890-0.896
VAPOUR PRESSURE: Weighted average: 4.37kPa (at 20°C)
VAPOUR DENSITY: Weighted average: 1.36 (air = 1)
PH: NA
EVAPORATION RATE: ND
INITIAL BOILING POINT: Lowest known value 78.5°C approximately
WATER SOLUBILITY: Complete
FREEZING POINT: 0°C approximately

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable
INCOMPATIBILITY: Strong Acids
HAZARDOUS DECOMPOSITION PRODUCTS: ND
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with strong acids will generate heat.

SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND
EFFECTS OF ACCUTE EXPOSURE:
SKIN CONTACT: May cause moderate irritation.
EYE CONTACT: May cause temporary or permanent damage if not treated promptly.
INHALATION: Breathing mist, spray or vapor may cause irritation.
INGESTION: May cause severe irritation to digestive tract. Maybe harmful if swallowed.
EFFECT OF CHRONIC EXPOSURE: Animals receiving repeated doses of concentrated Butoxyethanol develops hemolytic anemia and secondary injury to the kidney and liver.
IRRITANCY OF PRODUCT: Medium
CARCINOGENICITY: ND
SENSITIZATION TO MATERIAL: ND
REPRODUCTION TOXICITY: ND
TERATOGENICITY: ND
MUTAGENICITY: ND

SECTION 12 – ECOLOGICAL CONSIDERATION

No permanent effects on ecosystems.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

TDG Classification: Class 3 UN 1170 Ethanol Solution, PG II

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SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: D2B, B

SECTION 16 – OTHER INFORMATION

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