



# MATERIAL SAFETY DATA SHEET

## BIOMAX 7T ALCOHOL HAND SANITIZER

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: BIOMAX 7T ALCOHOL HAND SANITIZER  
GENERAL/GENERIC NAME:  
PRODUCT USE: Alcohol Hand Sanitizer  
EFFECTIVE DATE: August 21, 2014  
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
9 City View Drive, Etobicoke, Ontario M9W 5A5  
24 HOUR EMERGENCY NO. 613-996-6666

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Ethyl alcohol	60 – 100	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: 363°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.

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

### 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 are recommended for prolonged contact with bulk quantities  
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: 0.875-0.895  
VAPOUR PRESSURE: Weighted average: 4.37kPa ( at 20°C)  
VAPOUR DENSITY: Weighted average: 1.36 ( air = 1)  
PH: 6.0-7.3  
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**

Prepared by: Lab Personnel

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