

**MATERIAL SAFETY DATA SHEET**

Per 29 CFR 1910.1200

DATE PREPARED : 6/19/97

**SECTION I.**

**BRULIN & COMPANY. INC.** P.O. BOX 270, INDIANAPOLIS, IN 46206-0270 (317) 923-3211

WEST COAST FACTORY  
Richmond, California

SOUTHEASTERN FACTORY  
Tampa, Florida

24 HOUR EMERGENCY NUMBER

CHEMTREC 1-800-424-9300

IDENTITY (As listed on label):  
**SEPTI-CLEAN**

Health: 1  
HMIS HAZARD RATINGS: Flammability: 3  
Reactivity: 0

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #	OSHA PEL	ACGIH TLV-TWA	OTHER LIMITS RECOMMENDED	PERCENT
Ethanol, Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	None	50-70

SECTION 313 SUPPLIER NOTIFICATION

The toxic chemical(s) listed above which are marked with an (\*) are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. Not all chemicals subject to Section 313 of EPCRA appear on the OSHA Floor List of Hazardous Chemicals.

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point:	173°F	Specific Gravity (H2O=1):	0.9
Vapor Pressure (mm Hg):	Ethanol 44 @ 68 F	Melting Point:	Not Determined
Vapor Density (Air=1):	Ethanol Approx. 1.6	Evaporation Rate (Water=1):	1.0
Solubility in Water:	Complete		

Appearance and Odor: Clear blue liquid, citrus odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used): 74°F Closed Cap

Flammable Limits LEL Not determined UEL Not determined

Extinguishing Media: Carbon dioxide, alcohol foam or dry chemical.

Special Fire Fighting Procedures: S.C.B.A. for fire fighting in enclosed areas. Water spray may be used to cool exposed containers and protect personnel. In advanced fires, maintain a safe distance from sealed containers.

Unusual Fire and Explosion Hazards: None

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**SECTION V - REACTIVITY DATA**

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Stability Unstable  Stable   
Conditions to Avoid: Heat, sparks, open flames.  
Incompatibility (Materials to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Hazardous Polymerization: May Occur  May Not Occur   
Conditions to Avoid: None

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**SECTION VI - HEALTH HAZARD DATA**

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Route(s) of Entry: Ingestion? Yes Skin? Yes Inhalation? Yes Eyes? Yes  
Health Hazards (Acute and Chronic): Acute vapor irritates eyes, nose and throat. Can damage eye tissue. LD50 greater than 5 gm/kg (non-toxic)  
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No  
Signs and Symptoms of Exposure: Eyes-Irritation. Ingestion - gastric distress. Inhalation - giddiness, loss of consciousness.  
Medical Conditions Generally Aggravated by Exposure: None known  
Emergency & First Aid Procedures:  
Eye Contact: Flush with large amounts of water for 15 minutes lifting upper and lower lids occasionally. Get medical attention if irritation persists.  
Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult.  
Skin Contact: Wash with mild soap and water.  
Ingestion: Immediately induce vomiting in a conscious patient by giving him water and having him stick a finger down his throat. Contact Poison Control Center or physician immediately. LD50 greater than 5 gm/kg.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition. Ventilate the area well. Absorb on solid absorbent. Shovel into containers for disposal.  
Waste Disposal Method: Dispose according to Federal, State and Local laws and 40 CFR.  
Precautions to be Taken in Handling and Storing: Keep away from ignition sources. Store at ambient temperatures.

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**SECTION VIII - CONTROL MEASURES**

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Respiratory Protection (Specify Type): Use NIOSH approved respirator if above TLV.  
Ventilation: Local exhaust  
Protective Gloves: Not required  
Eye Protection: Not required  
Other Protective Clothing or Equipment: Not required  
Work/Hygienic Practices: None