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Melville, NY

INFORMATION: 800-472-4346  
24 HOUR EMERGENCY -  
CHEMTREC: 800-424-9300

Document control number: MSSS1 - Rev 1

PART NUMBER: TR-BR40SSC

## MATERIAL SAFETY DATA SHEET

### PRODUCT IDENTIFICATION

Material Name : HAND SANITIZER GEL  
MSDS Date : 30 APRIL 2004  
Supersedes : 25 APRIL 2003  
Prepared By : M L RISSOLO

<u>Hazard Rating</u>	
Health	0
Fire	3
Reactivity	0
Personal Protective Equipment.	B

Scale:	4- Extreme	1- Slight
	3- High	0- Insignificant
	2- Moderate	

### COMPONENT INFORMATION

#### Exposure Limit Information

<u>COMPONENT</u>	<u>CAS NO.</u>	<u>AMT.</u> (%)	<u>OSHA</u>		<u>ACGIH</u>	
			<u>TWA</u>	<u>STEL</u>	<u>TLV</u>	<u>STEL</u>
ETHYL ALCOHOL	64-17-5	62.5			1000 PPM	

Note: It is used in sanitizing hands, without leaving them dry.

## EMERGENCY RESPONSE INFORMATION

### FIRST AID PROCEDURES

<u>Inhalation:</u>	Move patient to fresh air. Seek immediate medical attention if individual is severely overcome by overexposure to vapors. (Overexposure is most likely to occur dealing with large quantities in an enclosed space with inadequate ventilation.)
<u>Eve Contact :</u>	Flush immediately with clean water for at least 15 minutes.
<u>Skin Contact:</u> <u>(other than hands)</u>	Intended for hand use without causing irritation but if contacts other skin areas that may become irritated rinse with clean water.
<u>Ingestion:</u>	If ingested, call a physician immediately.

### SPILL OR LEAK HANDLING INFORMATION

Personal Protection: For small spills use rubber gloves & safety glasses. For larger spills use splash proof goggles or face shield & lab coat, apron, or overalls. In confined spaces, mask with organic vapor canister.

Procedures: Remove all ignition sources; ventilate area. Avoid contact with skin. Small quantities may be absorbed on paper towels and evaporated in a hood.

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**FIRE FIGHTING INFORMATION**

**Department of Transportation (DOT) Emergency Response Guide Number:** 26

**Unusual Hazards:** Flammable liquid, toxic gases (such as carbon monoxide and formaldehyde) may be released in a fire

**Extinguishing Agents:** Dry chemical, water spray or alcohol resistant foam.

**Personal Protective Equipment:** Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

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**PHYSICAL/CHEMICAL CHARACTERISTICS**

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**FIRE AND EXPLOSIVE PROPERTIES**

Flash Point.....	72 degrees F
Auto-ignition temperature....	Not Available
Lower Explosive Limit.....	Not Available
Upper Explosive Limit.....	Not Available

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**REACTIVITY INFORMATION**

<b><u>Instability:</u></b>	Stable
<b><u>Hazardous Decomposition Products:</u></b>	Carbon Dioxide is formed during combustion.
<b><u>Hazardous Polymerization:</u></b>	Will Not occur.
<b><u>Incompatibility:</u></b>	Avoid strong oxidizing agents such as acetyl chloride, nitric acid and hydrogen peroxide.

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**PERSONAL PROTECTION MEASURES**

<b><u>Respiratory Protection:</u></b>	Self contained breathing apparatus.
<b><u>Eye Protection:</u></b>	Splash proof goggles.
<b><u>Hand Protection:</u></b>	Rubber gloves for prolonged or repeated use.

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**FACILITY CONTROL MEASURES**

<b><u>Ventilation:</u></b>	Local - ventilation meeting ACGIH criteria. Explosion proof.
<b><u>Other Protective Equipment:</u></b>	Use plastic or rubber apron to protect clothing, if needed.

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**STORAGE AND HANDLING INFORMATION**

<b><u>Storage Conditions:</u></b>	Usual precautions for flammable liquids.
<b><u>Handling Procedures:</u></b>	All handling equipment should be electrically grounded. Do not allow persons to enter confined areas.

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**HEALTH HAZARD DATA**

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<b><u>Routes of Entry</u></b>	Inhalation:	Yes
	Skin:	Negligible
	Ingestion:	Yes
	Eyes:	Yes

**Health Hazards (Acute & Chronic)** Generally used as a rubdown. Vapor irritates eyes. High concentrations of vapor can irritate respiratory tract, are anesthetic and may cause CNS depression.

**Carcinogenicity:** Not a carcinogen.

**Signs & Symptoms of Exposure:** Giddiness, headache, dizziness and nausea.

**Medical Conditions Generally Aggravated By Exposure:** Pre-existing eye and respiratory disorders may be aggravated by exposure.

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**SUPPLEMENTAL INFORMATION**

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**Typical Physical Properties**

Appearance.....	Clear Gel
Color.....	Colorless
State.....	Liquid
Odor Characteristic.....	Pleasant Citrus Odor
pH.....	Not available
Viscosity.....	Not available
Specific Gravity (Water = 1).....	0.89
Vapor Density (Air = 1).....	Not Available
Melting Point.....	Not available
Boiling Point.....	Not Available
Solubility in water.....	Completely Miscible
Percent Volatility.....	Not available
Evaporation rate (Butyl Acetate = 1).....	2.7

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**TOXICITY INFORMATION****Acute Data**

Oral LD50.....	Not Available
Dermal LD50.....	Not Available
Skin Irritation.....	Not Available
Eye Irritation.....	Not Available

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**WASTE DISPOSAL:** Disposal in landfill approved for same, away from water supplies. Incineration is an alternate method. Dispose of in accordance with applicable federal, state, and local regulations.

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**REGULATORY INFORMATION**

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**WORKPLACE CLASSIFICATIONS:**

OSHA (USA): Not OSHA regulated. No ingredients identified by OSHA as hazardous are known to be present or the ingredients present are below the levels specified as hazardous by OSHA (Per 29 CFR 1910.1200)

WHMIS (Canada): Ethanol Solutions, 3.2, UN1170

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**TRANSPORTATION:****HAZMAT MARKING:**

Domestic(US): Ethyl alcohol solutions, 3, UN1170, PG II

(Limited quantities may be shipped as ORM-D, Consumer Commodity, in accordance with 49CFR (HMR 181), 173.150 and 173.156

International(ICAO/IATA): Ethyl alcohol solutions, 3, UN1170, PG II

**HAZMAT LABEL:**

Domestic(US): Flammable Liquid (None if shipped as ORM-D)

International(ICAO/IATA): Flammable Liquid

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**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)**

**Section 311/312 Categorizations (40CFR 370):** This material requires notification under the Act for inventory greater than 10,000 lbs. daily.

**Section 313 Information (40CFR 372):** This material contains no toxic chemical at a level which is reportable under SARA Toxic Chemical Release Reporting Regulations.

**RCRA INFORMATION:** This material is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24)

**Toxic Substances Control Act (TSCA):** All components in this material are in the TSCA Inventory

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**ABBREVIATIONS:**

ACGIH = American Conference of Government Industrial Hygienists

IATA = International Air Transport Association

ICAO = International Civil Aviation Organization

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure

STEL = Short-Term Exposure Limit

TLV = Threshold Limit Value

TWA = Time Weighted Average

WHMIS= Workplace Hazardous Materials Information System