

1601127; CM 1126



MATERIAL SAFETY DATA SHEET

(Essentially Similar to Form OSHA-174 / 29 CFR 1910-1200)

PRODUCT NAME EPI SAN™ INSTANT HAND SANITIZING GEL
 FORMULA 01034
 HMIS RATING HEALTH = 1 FIRE = 2 REACTIVITY = 1 (Scale 0-4, where 4 = severe hazard)

SECTION I - MANUFACTURER INFORMATION

MANUFACTURED FOR	DEB SBS, Inc. 1100 Highway 27 South Stanley, NC 28164	EMERGENCY CONTACT	Chemtrec 800-424-9300 (24 hour)
PHONE NUMBER	704-263-4240	PREPARED BY	Chemist
		REVISION DATE	July 2, 2009

REASON FOR CHANGE Added "by volume" for Ethyl Alcohol; changed column header to "Formula, %"

SECTION II - INGREDIENTS

This product is manufactured and labeled in compliance with the Federal Food, Drug, and Cosmetic Act, and is exempt from the labeling requirements of the OSHA Hazard Communication Standard. All product ingredients are listed below.

ACTIVE INGREDIENT

Ethyl Alcohol

CAS NUMBER

64-17-5

FORMULA, %

62 (by volume)

INACTIVE INGREDIENTS

Water	7732-18-5
Aloe Barbadensis Leaf Juice	8001-97-6
Propylene Glycol	57-55-6
Glycerin	56-81-5
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	NA
Aminomethyl Propanol	124-68-5
Fragrance	NA
FD&C Yellow No. 5	1934-21-0
FD&C Blue No. 1	3844-45-9



Data marked with asterisk (*) in sections III & IV below refer to the properties of Ethyl Alcohol

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	173°F *	SPECIFIC GRAVITY (H ₂ O = 1)	0.90
VAPOR PRESSURE (mmHg)	40 * @ 19°C	MELTING POINT	NA
VAPOR DENSITY (Air = 1)	1.59 *	EVAPORATION RATE (Butyl Acetate = 1)	1.4 *
SOLUBILITY IN WATER	Complete	pH	7.5
APPEARANCE & ODOR	Clear, green, viscous gel with an alcohol odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)	74°F * (ASTM D-1310 open cup)
FLAMMABLE LIMITS	LEL: 3.3% * UEL: 19% *
EXTINGUISHING MEDIA	Dry chemical, carbon dioxide, water spray (fog) or alcohol foam
SPECIAL FIRE FIGHTING PROCEDURES	Blanket fire with extinguishing medium. NIOSH approved protection recommended.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Undetermined

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SECTION V - REACTIVITY DATA

STABILITY	Unstable Stable	X	Conditions to Avoid:	Heat or ignition sources
INCOMPATIBILITY	Oxidizing agents			
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS	Carbon dioxide			
HAZARDOUS POLYMERIZATION	May Occur Will not Occur	X	Conditions to Avoid:	None known

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY	Inhalation, Ingestion only by accidental or intentional misuse
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HEALTH HAZARDS

Skin:	Excessive exposure may cause irritation or dryness.
Eyes:	May cause temporary irritation.
Ingestion:	May result in vomiting.
Inhalation:	Vapors may cause drowsiness.

EMERGENCY AND FIRST AID PROCEDURES

Skin:	Rinse affected area with water. Consult with a physician if irritation persists.
Eyes:	Immediately flush eyes with clean water for at least 15 minutes or until irritation subsides. Consult with a physician if pain or irritation persists.
Ingestion:	Administer 1 tablespoon of table salt in glass of warm water to induce vomiting; repeat until vomit fluid is clear. Consult with a physician.
Inhalation:	Remove from exposure. Consult with a physician if condition persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

IN CASE OF RELEASE OR SPILL	Apply absorbent material and place in covered containers for disposal.
WASTE DISPOSAL METHOD	Dispose in accordance with state, local and federal regulations.
PRECAUTIONS FOR HANDLING AND STORAGE	Keep out of reach of children and other persons who may misuse the product. Avoid contact with excessive heat, ignition sources, and incompatible materials.

SECTION VIII - CONTROL MEASURES

SPECIAL RESPIRATORY PROTECTION	None required
SPECIAL SKIN PROTECTION	None required
SPECIAL EYE PROTECTION	None required; avoid contact with the eyes.

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, DEB SBS, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon, and responsibility for improper application or misuse of product in any manner whatsoever. Final determination of suitability of any material is the sole responsibility of the user.