



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Alkaline Alcohol Solution

PRODUCT CODES 3450-2

REVISION DATE 09/22/2009

Page 1 of 4

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME Alkaline Alcohol Solution

PRODUCT CODES 3450-2

SYNONYMS Does not apply.

CAS NUMBER Does not apply.

FORMULA Does not apply.

FORMULA WEIGHT Does not apply.

REVISION DATE 09/22/2009

24 HOUR EMERGENCY TELEPHONE
CALL CHEMTREC (800) 424-9300

Contact CHEMTREC (Chemical Transportation Emergency Center) only in the event of emergencies involving a chemical spill, leak, fire, exposure or other accident.

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING. FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES IRRITATION. MAY AFFECT LIVER.

PRECAUTIONARY MEASURES

Keep away from heat, sparks and flame. Avoid contact with skin, eyes and clothing. Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

SKIN CONTACT CAUSES IRRITATION.

EYE CONTACT CAUSES IRRITATION.

IF INHALED Causes respiratory tract irritation.

IF SWALLOWED May be fatal or cause blindness if swallowed.

CHRONIC Causes skin irritation. May affect CNS, liver, blood, reproductive system.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Skin or eye disorders, impaired liver or kidney function.

TARGET ORGANS Liver

CARCINOGENICITY Not listed by NTP, IARC or OSHA.



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Alkaline Alcohol Solution

PRODUCT CODES 3450-2

REVISION DATE 09/22/2009

Page 2 of 4

SECTION 3 FIRST AID PROCEDURES

SKIN CONTACT Immediately wash with plenty of soap and water. Get medical attention for persistent irritation.

EYE CONTACT Immediately flush with plenty of water for at least 15 minutes, separating eyelids occasionally. Get immediate medical attention.

IF INHALED Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

IF SWALLOWED If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 4 FIRE FIGHTING MEASURES

FLASH POINT (C) N/E

EXPLOSIVE LIMITS (%) **UPPER** N/E **LOWER** N/E

AUTOIGNITION TEMPERATURE (C) N/E

NFPA HAZARD IDENTIFICATION Health: 2 Flammability: 3 Reactivity: 0 Special Hazards: -

NFPA HAZARD IDENTIFICATION is *not* intended to address occupational exposure occurring under normal conditions of use. It only addresses hazards presented by Fire, Spill or Similar Emergencies. NFPA 704 2007 ed. 1.1 and 1.3.2(1).

EXTINGUISHING MEDIA Water spray, dry chemical, "alcohol foam", CO₂

SPECIAL FIRE FIGHTING PRODECURES Fire fighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS Vapor can flow along surfaces to distant ignition sources and flash back.

SECTION 5 ACCIDENTIAL RELEASE MEASURES

IF SPILLED Eliminate sources of ignition. Absorb spill with inert material, scoop up and containerize for disposal.

WASTE DISPOSAL METHOD Dispose in accordance with all local, state and federal environmental regulations.



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Alkaline Alcohol Solution

PRODUCT CODES 3450-2

REVISION DATE 09/22/2009

Page 3 of 4

SECTION 6 EXPOSURE CONTROL AND STORAGE

VENTILATION Local or general.

RESPIRATORY PROTECTION If necessary, APPROVED Organic Vapor respirator.

EYE PROTECTION Chemical splash safety goggles and/or chemical splash face shield.

SKIN PROTECTION Nitrile gloves, lab coat and impervious apron.

STORAGE Store tightly closed in an approved FLAMMABLE LIQUIDS storage area.

SECTION 7 HAZARDOUS COMPONENTS AND EXPOSURE LIMITS

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV
Ethanol	64/-17/5	1000 ppm TWA	1000 ppm TWA
Methanol	67-56-1	200 ppm TWA	200 ppm TWA Skin 250 ppm STEL Skin
Isopropanol	67-63-5	400 ppm TWA	200 ppm TWA 400 ppm STEL

Methanol 2.4%, may be subject to the reporting requirements of SARA 313 and CFR372

SECTION 8 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR	Clear, colorless liquid. Odor of grain alcohol.	DENSITY / SPECIFIC GRAVITY	N/E
SOLUBILITY IN WATER	Miscible	MELTING POINT (C)	N/E
		BOILING POINT (C)	N/E



E K Industries, Inc.

1403 Herkimer Street
Joliet, IL 60432-1059
(815) 723-4000
www.eki-chem.com

MATERIAL SAFETY DATA SHEET

PRODUCT Alkaline Alcohol Solution

PRODUCT CODES 3450-2

REVISION DATE 09/22/2009

Page 4 of 4

EVAPORATION RATE N/E

VAPOR PRESSURE (mm Hg) N/E

VAPOR DENSITY N/E

SECTION 9 STABILITY AND REACTIVITY

STABILITY Stable

CONDITIONS TO AVOID Excessive heat, Sources of ignition.

MATERIALS TO AVOID Strong oxidizers, silver salts, chlorides, alkali metals and many other substances.

HAZARDOUS DECOMPOSITION PRODUCTS CO, CO₂

HAZARDOUS POLYMERIZATION Will not occur

DISCLAIMER:

E K Industries, Inc. makes no representation as to the comprehensiveness or accuracy of this information. Individuals using this information, or the product to which it refers, must exercise their independent judgment in determining all appropriateness for a particular purpose. Accordingly, E K Industries, Inc. will not be responsible for damages of any kind or nature resulting from the use of this information or the corresponding product. No representations or warranties of any kind or nature, including but not limited to: express warranties, implied warranties or merchantability, or warranties of fitness for a particular purpose, are made hereunder with respect to the information set forth herein or to the product to which the information refers.