

MSDS

Material Safety Data Sheet



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Acid-Alcohol Decolorizer

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: Acid-Alcohol Decolorizer, 3% Hydrochloric Acid in 95% Ethanol
EKI ORDER NUMBERS: 1187
FORMULA: Does not apply
CAS NO: Does not apply
REVISION DATE: 5 May 2004

*** LABEL HAZARD STATEMENT AND PRECAUTIONS ***

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. Keep away from heat, sparks and flame. Keep container tightly closed. Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

| COMPONENT (CAS NUMBER) | OSHA PEL | ACGIH TLV |
|-------------------------------|--------------|---------------------------------------|
| ----- | ----- | ----- |
| Ethyl Alcohol (64-17-5) | 1000 ppm TWA | 1000 ppm TWA |
| Isopropyl Alcohol (67-63-0) | 400 ppm TWA | 200 ppm TWA 400 ppm STEL |
| Methyl Alcohol (67-56-1) | 200 ppm TWA | 200 ppm TWA Skin 250 ppm STEL Skin |
| Hydrochloric Acid (7647-01-0) | 5 ppm STEL | 2 ppm STEL |

Methyl Alcohol, 4.5% and Hydrochloric Acid, 3% are subject to the reporting requirements of SARA 313 and 40CFR372.

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

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| BOILING POINT: N/E | PERCENT VOLATILE: N/E |
| SPECIFIC GRAVITY: N/E | VAPOR PRESSURE: N/E |
| VAPOR DENSITY: N/E | SOLUBILITY IN WATER: Miscible |
| APPEARANCE AND COLOR: Clear, colorless liquid with grain alcohol odor. | |

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: N/E
AUTOIGNITION TEMP: N/E
FLAMMABILITY LIMITS IN AIR: N/E
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam, and water. Water may be ineffective.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters 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 to distant ignition sources and flash back.

SECTION 5 REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, flames, sources of ignition

MATERIALS TO AVOID: Strong oxidizers, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

INHALATION: May cause respiratory tract irritation. May cause drowsiness, loss of appetite, inability to concentrate.

SKIN CONTACT: May cause irritation and dehydration.

EYE CONTACT: May cause irritation.

SKIN ABSORPTION: N/I

INGESTION: May cause intoxication, headache, blindness.

CHRONIC: Causes drying of skin. May affect central nervous system and liver.

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

****FIRST AID PROCEDURES****

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

SKIN CONTACT: Immediately flush with plenty of soap and water for at least 15 minutes. Remove contaminated garments. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: If conscious, induce vomiting immediately as directed by medical personnel.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and remove all sources of ignition. Absorb spill with inert material and containerize for disposal.

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

STORAGE: Store tightly closed in an approved flammable liquids storage area.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full facepiece respirator.

EYE PROTECTION: Chemical safety goggles and/or full face shield.

SKIN PROTECTION: Impervious gloves, lab coat and impervious apron.

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