

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **ETHYL ALCOHOL, DENATURED ALCOHOL**

APPLICATION: BURNING ALCOHOL, GENERAL LABORATORY SOLVENT.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

DANGER: FLAMMABLE LIQUID. WARNING: IRRITATING TO EYES



SECTION 2A: PHYSICAL HAZARDS

H226: FLAMMABLE LIQUID AND VAPOUR. CATEGORY 3:

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: 1000 PPM ETHANOL (MAJOR COMPONENT)
200-400 PPM DENATURANTS(MINOR COMPONENTS)

SKIN: H315: CAUSES SKIN IRRITATION. CATEGORY 2:

EYES: H319: CAUSES SERIOUS EYE IRRITATION. CATEGORY 2A:

INHALATION: H332: HARMFUL IF INHALED. CATEGORY 4. H335: MAY CAUSE RESPIRATORY IRRITATION. CATEGORY 3:
H336: MAY CAUSE DROWSINESS OR DIZZINESS. CATEGORY 3

INGESTION: H372: CAUSES DAMAGE TO ORGANS (LIVER, KIDNEYS, CNS DEPRESSION, DRUNKENESS) THROUGH EXCESSIVE EXPOSURE. CATEGORY 1. WILL CAUSE DENATURANT CAN CAUSE VISUAL DISTURBANCES.

CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS PROVEN HUMAN CARCINOGEN BY NTP, IARC, OR OSHA.

SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE: ☒ Yes ☐ No

ETHANOL, 95%, CAS NO. 64-17-5.

DENATURANT: METHYL ALCOHOL 5%. NO KETONES OR HYDROCARBONS.

SECTION 4: FIRST AID MEASURES

SKIN: P302+352: IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

P332+313: IF SKIN IRRITATION OCCURS: CONTACT A POISON CENTER OR DOCTOR/PHYSICIAN.

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION.

INHALATION: P304+340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P342+311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION: P330 + 331: RINSE MOUTH. DO NOT INDUCE VOMITING.. P301+310: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: 59° F BY TCC (FLAMMABLE)

FLAMMABLE LIMITS: LEL = 3.4%
UEL = 26%

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE THE FOLLOWING FOR EXTINCTION:

DRY CHEMICAL AND CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: P370+376: IN CASE OF FIRE: STOP LEAK IF SAFE TO DO SO.

UNUSUAL FIRE AND EXPLOSION HAZARD: FLAMMABLE LIQUID. VAPORS MAY BE IGNITED BY HEAT, SPARKS, FLAMES OR STATIC ELECTRICITY. CONTAINER MAY RUPTURE IF EXPOSED TO EXTREME HEAT.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: P210: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES – NO SMOKING..

PROCEDURES: P376: STOP LEAK IF SAFE TO DO SO. P381: ELIMINATE ALL IGNITION SOURCES IF SAFE TO DO SO
ABSORB LIQUID ON PAPER TOWELING, VERMICULITE OR ABSORBANT PADS AND VENTILATE THE AREA.

SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

P102: KEEP OUT OF REACH OF CHILDREN. P402+404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER.
P403+235+410: STORE IN A WELL VENTILATED PLACE. KEEP COOL. PROTECT FROM SUNLIGHT. FOR LABORATORY OR OFFICE USE ONLY. DO NOT MIX WITH OTHER MATERIALS UNLESS DIRECTED TO DO SO. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: LOCAL EXHAUST PREFERRED. MECHANICAL (GENERAL) ACCEPTABLE IF SUFFICIENT TO KEEP LEVELS BELOW TLV.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR RUBBER IMPERMEABLE GLOVES.

EYES: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER: EYE WASH STATION.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR, COLORLESS THIN LIQUID, CHARACTERISTIC ALCOHOLIC ODOR.

PH OF SOLUTION: N.A.

MELTING POINT: N.A.

BOILING POINT: APPROXIMATELY 180° F

SPECIFIC GRAVITY: (H₂O = 1) 0.791 @ 68° F

EVAPORATION RATE: (BUAC = 1) 1.4

VAPOR DENSITY: (AIR = 1) 1.5

PERCENT VOLATILE: GREATER THAN 90%

VAPOR PRESSURE: (MM.HG) 46 MM HG AT 68° F

WATER SOLUBILITY: COMPLETE

SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT, SOURCES OF COMBUSTION

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCES CARBON DIOXIDE AND MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

REACTIVITY WITH WATER: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DEFATTING AND DERMATITIS. CONTACT WITH BROKEN OR ABRADED SKIN WILL CAUSE STINGING.

EYES: DIRECT CONTACT WILL CAUSE IRRITATION, REDNESS, TEARING AND BLURRY VISION.

INHALATION: EXCESSIVE INHALATION OF HIGH CONCENTRATIONS WILL CAUSE NOSE AND THROAT IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, AND VISUAL DISTURBANCES (CNS EFFECTS).

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, CNS DEPRESSION, DRUNKENNESS, VISUAL DISTURBANCES, (INCLUDING BLINDNESS), LIVER DAMAGE, CONVULSIONS AND DEATH (IN LARGE QUANTITIES).

CHRONIC EXPOSURE: CAN CAUSE CNS DAMAGE AND LIVER DAMAGE AND LOSS OF EYESIGHT.
SENSITIZER: N/A
CARCINOGENICITY: NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OR OSHA
TERATOGENICITY: N/A
EMBRYOTOXICITY: N/A
MUTAGENICITY: N/A
PRE-EXISTING CONDITIONS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: CAN BE ECOTOXIC IN LARGE QUANTITIES.
DEGRADABILITY: MATERIAL CAN BE BIODEGRADABLE.
BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.
MOBILITY IN SOIL: EXPECTED TO BE HIGH. COMPONENTS ARE WATER SOLUBLE, BUT VOLATILE.

SECTION 13: DISPOSAL INFORMATION

ALLOW RESIDUES TO EVAPORATE TO DRYNESS IN A HOOD OR OPEN AIR. LAB QUANTITIES MAY BE FLUSHED DOWN THE DRAIN WITH EXCESS WATER. ABSORBENT MATERIALS CA BE DISPOSED OF IN CLOSED METAL CONTAINERS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: UN 1170
SHIPPING NAME: ETHYL ALCOHOL
CLASS: CLASS 3
PACKING GROUP: II
MARINE POLLUTANT: N/A
WARNING SYMBOL: FLAMMABLE
OTHER: FLAMMABLE LIQUID. LESS THAN 1 LITER SHIPS AS ORM-D

SECTION 15: REGULATORY INFORMATION

LABELING: FLAMMABLE, IRRITANT PICTOGRAMS.
NFPA RATINGS: HEALTH HAZARD: 2 FIRE & EXPLOSION: 3 REACTIVITY: 0 SPECIAL PROTECTION: A
NATIONAL REGULATIONS:
TSCA: ALL COMPONENTS ARE ON THE USA TSCA INVENTORY LIST.

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.
SARA SECTION 313: N/A.
INAPPLICABLE: SNUR LISTING: NO COMPONENTS ARE SUBJECT TO TSCA SNUR RULE LISTING.
FOREIGN REGULATIONS:
ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

SECTION 16: OTHER INFORMATION

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REGULATIONS RELATED TO STORAGE, SHIPPING AND HANDLING OF FLAMMABLE LIQUIDS SHOULD BE FOLLOWED. NOT FOR INTERNAL USE.

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

Revision Date: 3/14/2017 Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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