

**MATERIAL
SAFETY
DATA SHEET**

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EMERGENCY
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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: ACCU-FILM IV **STOCK NO:** S020
DOT HAZARD LABEL: Flammable Liquid **UN NUMBER:** UN1170
PROPER SHIPPING NAME: Ethyl Alcohol Solution **DATE PREPARED:** 01/03/06
NFPA CODES: HEALTH - 0 FLAMMABILITY - 3 REACTIVITY - 0

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>CAS NUMBER</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Ethyl alcohol solution	64-17-5	1000 ppm	1000 ppm	

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 172° F **SPECIFIC GRAVITY (H₂O = 1):** 1.38
VAPOR PRESSURE: 40 mm HG @ 19° F **PERCENT VOLATILES:** 50%
VAPOR DENSITY (Air = 1): 1.59 **EVAPORATION RATE (Butyl Acetate = 1):** 1.5
APPEARANCE AND ODOR: Blue liquid, alcoholic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): 56° F **FLAMMABLE LIMIT (air, % by vol.)** UPPER: 3% LOWER: 15%

EXTINGUISHER MEDIA: Carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: During emergency conditions, overexposure to thermal decomposition products may cause health hazard. Self contained breathing apparatus should be worn.

UNUSUAL FIRE & EXPLOSION HAZARDS: When exposed to flame, emits toxic fumes and gases.

SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: Heat and flame.

INCOMPATIBILITY (Materials to avoid): Oxidizers, peroxides, persulfates, light, heat, nitric acid, ammonia and amines, halogens, and halogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

CONDITIONS TO AVOID: NA

MATERIAL SAFETY DATA SHEET (continued)

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SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: EYES SKIN INHALATION INGESTION

HEALTH HAZARDS (Acute & Chronic): Mildly toxic by inhalation and skin contact. Human systemic effects by ingestion and subcutaneous route: sleep disorders, hallucinations, distorted perceptions, convulsions, motor activity changes, ataxia, coma, antipsychotic, headache, pulmonary changes, alteration in gastric secretion, nausea or vomiting, other gastrointestinal changes, menstrual cycle changes and body temperature decrease. An eye and skin irritant. Ingestion of large doses can cause alcohol poisoning. Repeated ingestion can lead to alcoholism. It is a central nervous system depressant.

SIGNS & SYMPTOMS OF EXPOSURE: Exposure to concentrations over 1,000 ppm may cause headache, irritation of the eyes, nose and throat, and, if continued for an hour, drowsiness and lassitude, loss of appetite and inability to concentrate.

CARCINOGENECITY: No NTP? Yes IARC MONOGRAPHS? No OSHA?

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Consult medical personnel.

EYES: Immediately flush with copious amounts of water, including under eyelids, for at least 15 minutes. Get medical attention.

SKIN: Wash skin with copious amounts of soap and water. If irritation exists, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

INGESTION: Give several glasses of water. Induce vomiting. Get medical attention immediately.

SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Keep away from heat and sources of ignition.

OTHER PRECAUTIONS: NE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill thoroughly as residue is slippery. Non-corrosive to waste containers.

WASTE DISPOSAL METHODS (Consult federal, state, and local regulations): Dispose of material in accordance with all Federal, State and Local regulations.

SECTION VII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH-approved respiratory protection for organic gases if needed.

VENTILATION: Use local exhaust to keep exposures to a minimum.

PROTECTIVE GLOVES: Rubber or PVC if needed.

EYE PROTECTION: Safety glasses or goggles if needed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station.

WORK/HYGIENIC PRACTICES: Wash hands before eating, drinking or smoking.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.