

Chemical Specialties

CALIBER(TM)

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 CHEMSPEC
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HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = B
 DEGREE OF HAZARD: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT, B = SAFETY GLASSES-PROTECTIVE GLOVES

PRODUCT NAME: TREAD-SAFE
 1/11/00
 DOCUMENT CODE: Tread Safe
 CHEMICAL FAMILY: Mixture.
 EMERGENCY 24 HOUR-TELEPHONE #: 1-800-424-9300 (CHEMTREC)
 N/A = Not applicable.
 N/D = Not determined.

SECTION I: HAZARDOUS INGREDIENTS/HEALTH HAZARD DATA

NAME	CAS#
PHOSPHORIC ACID Oral rat LD50 is 1530 mg/kg; dermal rabbit LD50 is 2740 mg/kg. OSHA PEL and ACGIH TLV are 1 mg/m3 (TWA) and 3 mg/m3 (STEL).	7664-38-2
ETHOXYLATED ACETYLENIC DIOLS Not available.	9014-85-1
DIMETHYL METHYL SILOXANE COPOLYMER Not available.	709-14-124

SECTION II: EMERGENCY AND FIRST AID PROCEDURES

EYES: Immediately flush with water for at least 15 minutes. Obtain qualified medical attention promptly.
 INHALED: Remove to fresh air. If symptoms persist or are severe, obtain immediate medical attention.
 INGESTION: Drink at least 2 glasses of water or milk. DO NOT induce vomiting. Get immediate medical attention.
 SKIN: Immediately wipe excess liquid off skin with dry cloth. Remove contaminated clothing and shoes. Thoroughly flush affected areas with lots of water for at least 15 minutes. Do not use chemical agents to neutralize. Get medical attention. Wash affected clothing separately and clean shoes before reuse.
 PHYSICIAN: Treatment based on judgment of attending physician. Consideration should be given to the possibility that overexposure to other materials may have occurred. The principal manifestation of exposure is corrosion or chemical burns. If ingested, treat asphyxia form glottal edema by maintaining an adequate airway. Treat shock - maintain normal blood pressure by transfusion and by the administration of 5 % dextrose in saline. Circulatory shock is often the immediate cause of death. If symptoms are severe and perforation of the stomach or esophagus is suspected, give nothing by mouth until endoscopic examination has been done. Maintain nutrition by giving carbohydrate or hyperalimentary fluid intravenously. Give prednisolone, 4 mg/kg/d in divided doses for 10 days, to reduce possibility of progressive lung damage. Esophageal stricture may require dilation.

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE AND ODOR: Clear light blue liquid with mild citrus odor.
 BOILING POINT: > 200 deg F
 pH(rt): 1.0-2.0
 SPECIFIC GRAVITY: 1.01 - 1.05

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: > 200 deg. F (TCC)
 AUTO-IGNITION TEMPERATURE: N/A
 EXPLOSIVE LIMITS -
 UEL: N/A
 LEL: N/A
 EXTINGUISHING MEDIA: Use appropriate media for material that is supplying fuel. If water is used, the amount should be large enough to avoid heat and acid build-up.
 SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire. Evacuate residents downwind of fire. Dike area to prevent runoff contamination.

SECTION V: REACTIVITY DATA

STABILITY: Stable
 HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxides of carbon and phosphorous. Contact with metal produces flammable and potentially explosive hydrogen gas.
 HAZARDOUS POLYMERIZATION: Will not occur.
 INCOMPATIBILITY: Strong bases and metals.

SECTION VI: SPILL, LEAK AND DISPOSAL PROCEDURES

WASTE DISPOSAL: In accordance with Federal, State and Local Regulations. This material is a RCRA hazardous waste D002, corrosive.
 NEUTRALIZING CHEMICALS: Soda ash, sodium bicarbonate or lime and lots of water.

SECTION VII: PROTECTION MEASURES

VENTILATION: Local exhaust.
 GLOVES: Gloves made of neoprene, nitrile or natural rubber.
 RESPIRATORY: Use NIOSH/MSHA approved respirator equipped with acid mist cartridges when handling spills or when airborne concentrations exceed exposure limits.
 EYE: Contact lenses should not be worn. Splash goggles face shield or safety glasses with side shields. Avoid eye contact.
 OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn. Water must be available in case exposure occurs, running water preferred.

SECTION VIII: SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

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