

MEDICAL EMERGENCIES : CHEMTREC:ASSISTANCE: (800) 424-9300

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: AMS 1010, AMS 2010, AMS 3010

SYNONYM: None

CHEMICAL FAMILY: Cross-linked Polyprotic Resin

FORMULA: Proprietary Formulation

CAS NUMBER: None Assigned

DOT PROPER SHIPPING NAME: None Assigned

DOT HAZARD CLASS: None Assigned

UN/NA NUMBER:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATING: Health = 2

Flammability = 1 Reactivity = 1 Protective Equipment = B

SECTION II- HEALTH SAFETY ALERT

CAUTION:

EYE:

SKIN:

INHALATION:

INGESTION: May cause irritation to skin and eyes. Harmful if swallowed. Avoid prolonged or repeated inhalation of vapors. Do not use this product until MSDS has been read and understood.

SECTION III - HEALTH HAZARD INFORMATION

Direct contact with resin granules can produce moderate to severe irritation. May produce mild irritation or drying on prolonged or repeated contact. Prolonged or repeated inhalation may produce nose or throat irritation headache, nausea and dizziness. Severe exposure may lead to confusion, weakness, disorientation and collapse with drop in blood pressure.

Swallowing this product may lead to mouth and stomach irritation accompanied by burning pain, nausea, vomiting and diarrhea. SEE SECTION XII- COMMENTS.

SECTION IV . EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT : Flush with water *for* at least 15 minutes. Do not use chemical agents to neutralize. Seek medical aid.

SKIN CONTACT: Wipe or wash material from skin. Wash contaminated clothing. Seek medical aid

INHALATION: Remove from exposure. Administer artificial respiration and oxygen if necessary. Seek medical aid.

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

INGESTION: Contact CHEMTREC at 1-800-424-9300 and seek medical aid.

FLASH POINT & METHOD: 55°F, Close Cup

AUTO IGNITION TEMP: Not Determined

FLAMMABLE LIMITS (% Ethanol/Air) Lower: 3.2% Upper: 25.7%

EXTINGUISHING MEDIA: Water spray, dry chemical, foam, carbon dioxide, halon.

FIRE AND EXPLOSION HAZARDS: Combustion can evolve carbon monoxide and oxides

of nitrogen. *These data are applicable to ethanol, an ingredient of CRYSTAL ALDEX. SEE SECTION VII.

SECTION VI . SPILL, LEAK, AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES: Take up spills with pan broom; place in closed container. Wear gloves. For very large spills, use personal respiratory protection and eyeprotection. Shut off sources of ignition. Evacuate area and guard against fire.

WASTE DISPOSAL: All waste disposal must be done in accordance with applicable regulations. CODE: 03/16/99 . REPLACES: 12/06-96 ' AMS - 03/16/99

SECTION VII. - OCCUPATIONAL EXPOSURE LIMIT! HAZARDOUS INGREDIENTS

EXPOSURE Limit (Product): None Established

HAZARDOUS INGREDIENTS CAS NO. PERCENT

Ethanol 64-17-51.0 1000 ppm Sodium Phosphate, Tribasic 7601-54-9 < 615 mg/m³ PEL*
10 mg/m³ TLY* * Total nuisance particulates Identity of specific components of this mixture are proprietary.

SECTION VIII- PERSONAL PROTECTION INFORMATION

EYE PROTECTION : Safety glasses

SKIN PROTECTION: Gloves impervious to formaldehyde

RESPIRATORY PROTECTION : NIOSH/OSHA approval air purifying or air-line respirator should be used whenever dust levels exceed exposure limits (5mg/m³ respirator PEL). Use in a well-ventilated area.

SECTION IX- PERSONAL HANDLING INSTRUCTION

HANDLING: STORAGE: OTHER:

No special handling required. Avoid prolonged, excessive or repeated skin contact or inhalation. Avoid eye contact. Keep away from sparks and flame. Avoid accumulating dust. This product can react with oxidizing agents, peroxides or concentrated acids or bases.

Do not take internally. Wash exposed areas promptly and thoroughly after contact and before eating, drinking, use of tobacco products, or use of restrooms. Do not wear contacts without eye protection.

SECTION X - REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None. Materials may support combustion. Ethanol: keep away from flame and temperatures >160°F.

INCOMPATIBILITY: Oxidizing agents, strong acids or bases and peroxides .

HAZARDOUS REACTIONS! DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, ammonia and oxides of nitrogen.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Excessive heat.

SECTION XI - PHYSICAL DATA

BOILING POINT: 168°F*

SPECIFIC GRAVITY: MELTING POINT: Unknown*% VOLATILE BY VOL.:

VAPOR PRESSURE: 44mm Hg (20°C)*

EVAPORATION RATE: VAPOR DENSITY: 1.6*

VISCOSITY: SOLUBILITY: Swells but insoluble

pH: 7-8

APPEARANCE/ODOR: Coarse opaque granules, very slight "ammonia odor".

* These data are applicable to ethanol an ingredient of CRYSTAL ALDEX.

SECTION XII . COMMENTS

Persons with a history of disease or illness involving the skin, eyes, respiratory tract or circulatory system may be at greater risk of developing adverse health effects from exposure to this product. No known ingredients which occur at greater than 0.1 % are listed as carcinogens by the IARC Monographs on the Evaluation of the Carcinogenic Risk to Humans, the NTP Annual Report on Carcinogens, or OSHA 29 CFR 1910.1001-1047 Subpart Z Toxic and Hazardous Substances. ALDEX is a registered trademark of WCM Inc. This product is manufactured by WCM Inc.
