

MATERIAL SAFETY DATA SHEET

Cayuse Plus

I. NAME

PRODUCT/TRADE NAME: CAYUSE PLUS
EPA REGISTRATION #: NONE
CHEMICAL NAME/COMMON NAME:
Ethane-1, 2-Diol/Ethylene Glycol
Ammonium Sulfate/Ammonium Sulfate
Alcohol Ethoxylate phosphate ester/Alcohol Ethoxylate

II. HAZARDOUS INGREDIENTS

| | CAS# | OSHA PEL | ACGIH TLV |
|--------------------|------------|----------|-----------|
| Ethylene Glycol | 107-21-1 | NE | NE |
| Ammonium Sulfate | 7783-20-2 | NE | NE |
| Alcohol Ethoxylate | 68921-24-4 | NE | NE |

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.23
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): >1
% VOLATILES BY VOL.: NE
ODOR: Mild
APPEARANCE: Amber Liquid
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NE
SOLUBILITY IN H₂O: Soluble

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: Water Fog Foam Alcohol Foam
 CO₂ Dry Chemical Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

V. CARCINOGEN STATUS

OSHA NTP IARC No Listing Type

VI. REACTIVITY

Stable HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Oxidizers, Liquid chlorine, Concentrated O₂
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, SO_x, NO_x

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material. Vacuum or sweep up and place in approved disposal container.

DECONTAMINATION: Treat spill area with detergent and water. Absorb with inert material and place in approved container. Repeat as necessary until area is clean.

ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.

DISPOSAL: Place in DOT-approved container and dispose of in an approved disposal site.

VIII. HEALTH PRECAUTION DATA

INGESTION: Acute oral LD₅₀ (rat) is >2000 mg/kg (WECO). Wash thoroughly before eating, drinking or smoking. Do not ingest. Do not store near food or feed.
INHALATION: The PEL/TLV for Ethylene Glycol is 50 ppm. This is a ceiling limit. High concentrations can cause respiratory irritation. Wear appropriate respiratory protection for exposures above the PEL/TLV.

SKIN ABSORPTION: Acute Dermal LD₅₀ (rat) is 2000 mg/kg (WECO). Can cause mild skin irritation or dermatitis after prolonged contact. Wear proper personal protective equipment to reduce exposure.

EYE EXPOSURE: May be mildly irritating to the eyes. If exposed, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection to reduce splash exposure.

EFFECTS OF OVEREXPOSURE: May cause eye and corneal irritation. May cause skin irritation, dermatitis, red skin and scaling. Chronic exposure may

cause liver and kidney damage. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. Do not induce vomiting. For skin exposure, remove contaminated clothing and wash with soap and water. For eye contact, irrigate for a minimum of 15 minutes with water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA - approved respirator for organic vapors for exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.

PERSONAL PROTECTIVE EQUIPMENT: Long-sleeved coveralls, chemical goggles and rubber or neoprene gloves.

VENTILATION: Local exhaust ventilation recommended for manufacture and formulation operations.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

XI. REGULATORY DATA

SARA HAZARD CLASS: Acute Chronic Flammable
 Pressure Reactive None

SARA 313: Yes No Chemical:

SARA 302: Yes No Chemical:

TPQ:

CERCLA: Yes No Chemical:

RQ:

RCRA: Yes No

NFPA HAZARD RATING:

Health: [2]

Fire: [1]

Reactivity: [0]

Special: []

HMIS CODES:

Health: [2]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: November 4, 1992

REVISED DATE: March 9, 2011

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*Technical Material NE - Not Established NA - Not Applicable

24 Hour Emergency Phone Number
CHEMTREC: (800) 424-9300



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