

## 1. Identification

**Product identifier** CXP-B200-1  
**Other means of identification** Not available.  
**Recommended use** Not available.  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**  
**Company name** CETCO, an MTI Company  
**Address** 2870 Forbs Avenue  
 Hoffman Estates, IL 60192  
 United States  
**Telephone** General Information 800 527-9948  
**Website** <http://www.cetco.com/>  
**E-mail** [safety.data@amcol.com](mailto:safety.data@amcol.com)  
**Emergency phone number** .  
**Americas** 1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962 Access Code 333562

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Carcinogenicity Category 2  
 Specific target organ toxicity, repeated exposure Category 2  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Combustible dust Classified

### Label elements



**Signal word** Warning  
**Hazard statement** Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.  
**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If exposed or concerned: Get medical advice/attention.  
**Storage** Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**Hazard(s) not otherwise classified (HNOC)** None known.  
**Supplemental information** Not applicable.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetic acid ethenyl ester		108-05-4	6.4
Other components below reportable levels			93.6

### Residuals

Chemical name	CAS number	%
Acrylamide	79-06-1	

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

<b>Composition comments</b>	Occupational Exposure Limits for impurities are listed in Section 8. Occupational Exposure Limits for residuals are listed in Section 8.
<b>4. First-aid measures</b>	
<b>Inhalation</b>	If dust from the material is inhaled, remove the affected person immediately to fresh air. If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Get medical attention if irritation develops or persists. Wash affected area with mild soap and water.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
<b>Ingestion</b>	For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>5. Fire-fighting measures</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Dry chemical, CO2, water spray or regular foam. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Fire-fighting equipment/instructions</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In the event of fire, cool tanks with water spray. Material can be slippery when wet..
<b>Specific methods</b>	Cool containers exposed to flames with water until well after the fire is out.
<b>General fire hazards</b>	Not a fire hazard. No unusual fire or explosion hazards noted.
<b>6. Accidental release measures</b>	
<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Material can be slippery when wet.
<b>Methods and materials for containment and cleaning up</b>	Stop leak if you can do so without risk. Sweep up or gather material and place in appropriate container for disposal. After removal flush contaminated area thoroughly with water. If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground. No special environmental precautions required.
<b>7. Handling and storage</b>	
<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands after handling and before eating. Do not breathe dust. Do not get this material in contact with eyes. Avoid contact with skin and eyes. Avoid prolonged exposure. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Practice good housekeeping.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Keep containers tightly closed in a cool, well-ventilated place. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Guard against dust accumulation of this material.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Impurities	Type	Value	Form
INERT OR NUISANCE DUSTS (CAS SEQ250)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

#### Residuals

Residuals	Type	Value	Form
Acrylamide (CAS 79-06-1)	PEL	0.3 mg/m3	

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Impurities	Type	Value	Form
INERT OR NUISANCE DUSTS (CAS SEQ250)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetic acid ethenyl ester (CAS 108-05-4)	STEL	15 ppm	
	TWA	10 ppm	
<b>Residuals</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Acrylamide (CAS 79-06-1)	TWA	0.03 mg/m3	Inhalable fraction and vapor.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Acetic acid ethenyl ester (CAS 108-05-4)	Ceiling	15 mg/m3	
		4 ppm	
<b>Residuals</b>	<b>Type</b>	<b>Value</b>	
Acrylamide (CAS 79-06-1)	TWA	0.03 mg/m3	

**Biological limit values** No biological exposure limits noted for the ingredient(s).

### Exposure guidelines

#### US - California OELs: Skin designation

Acrylamide (CAS 79-06-1) Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies

Acrylamide (CAS 79-06-1) Skin designation applies.

#### US - Tennessee OELs: Skin designation

Acrylamide (CAS 79-06-1) Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

Acrylamide (CAS 79-06-1) Can be absorbed through the skin.

#### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Acrylamide (CAS 79-06-1) Can be absorbed through the skin.

#### US OSHA Table Z-1: Skin designation

Acrylamide (CAS 79-06-1) Can be absorbed through the skin.

### Appropriate engineering controls

Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear chemical goggles. Use tight fitting goggles if dust is generated.

**Hand protection** Wear protective gloves.

**Other** Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.

<b>Respiratory protection</b>	Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices in handling this material.

## 9. Physical and chemical properties

<b>Appearance</b>	Granular.
<b>Physical state</b>	Solid.
<b>Form</b>	Powder.
<b>Color</b>	White.
<b>Odor</b>	Ammonia.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	> 219.2 °F (> 104 °C) estimated
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 482.0 °F (> 250.0 °C) estimated
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	2.6 % estimated
<b>Flammability limit - upper (%)</b>	13.4 % estimated
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	30.89 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Bulk density</b>	540 kg/m <sup>3</sup>
<b>Density</b>	0.70 g/cm <sup>3</sup> estimated
<b>Flammability class</b>	Combustible IIIB estimated
<b>Particle size</b>	< 500 micron
<b>Percent volatile</b>	0 % estimated
<b>Specific gravity</b>	1.03 estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).
<b>Incompatible materials</b>	Acids. None known.
<b>Hazardous decomposition products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	Prolonged inhalation may be harmful. May cause damage to organs by inhalation. Inhalation of dusts may cause respiratory irritation.
<b>Skin contact</b>	Not available.
<b>Eye contact</b>	Dust in the eyes will cause irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
Acetic acid ethenyl ester (CAS 108-05-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2335 mg/kg
<i>Inhalation</i>		
LC50	Guinea pig	6215 ppm, 4 Hours
	Mouse	1550 ppm, 4 Hours
	Rabbit	2500 ppm, 4 Hours
	Rat	3680 ppm, 4 Hours
<i>Oral</i>		
LD50	Mouse	1613 mg/kg
	Rat	2920 mg/kg
<i>Other</i>		
LD50	Mouse	595 mg/kg

Residuals	Species	Test Results
Acrylamide (CAS 79-06-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	1.68 ml/kg
	Rat	400 mg/kg
		1.68 ml/kg
<i>Oral</i>		
LD50	Mouse	107 mg/kg
	Rabbit	150 mg/kg
	Rat	124 mg/kg
<i>Other</i>		
LD50	Guinea pig	170 mg/kg
	Mouse	170 mg/kg
	Rat	90 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Dust in the eyes will cause irritation.

#### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** No skin irritation

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Acetic acid ethenyl ester (CAS 108-05-4)

2B Possibly carcinogenic to humans.

Acrylamide (CAS 79-06-1)

2A Probably carcinogenic to humans.

## US. National Toxicology Program (NTP) Report on Carcinogens

Acrylamide (CAS 79-06-1)

Reasonably Anticipated to be a Human Carcinogen.

### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

### Specific target organ toxicity - single exposure

Not classified.

### Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

Not available.

### Chronic effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. May cause damage to organs through prolonged or repeated exposure. Overexposure to dusts may result in pneumoconiosis, a lung disease due to permanent deposition of substantial amounts of particulate matter in the lungs.

## 12. Ecological information

### Ecotoxicity

This material is not expected to be harmful to aquatic life.

Components	Species	Test Results
Acetic acid ethenyl ester (CAS 108-05-4)		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
		15.04 - 21.54 mg/l, 96 hours
<b>Residuals</b>		
Acrylamide (CAS 79-06-1)		
Crustacea	EC50	Daphnia
		98 mg/L, 48 Hours
Fish	LC50	Fish
		109 mg/L, 96 Hours
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )
		81 - 150 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

### Persistence and degradability

Not inherently biodegradable.

### Bioaccumulative potential

No data available.

### Partition coefficient n-octanol / water (log Kow)

Acetic acid ethenyl ester

0.73

Acrylamide

-0.67

### Mobility in soil

No data available.

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Local disposal regulations

Dispose in accordance with all applicable regulations.

### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### US RCRA Hazardous Waste U List: Reference

Acrylamide (CAS 79-06-1)

U007

### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to** Not applicable.**Annex II of MARPOL 73/78 and the IBC Code****15. Regulatory information****US federal regulations**

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetic acid ethenyl ester (CAS 108-05-4) LISTED

Acrylamide (CAS 79-06-1) LISTED

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

Acetic acid ethenyl ester (CAS 108-05-4) 5000 LBS

Acrylamide (CAS 79-06-1) 5000 LBS

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** Yes

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Acetic acid ethenyl ester	108-05-4	6.4

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Acetic acid ethenyl ester (CAS 108-05-4)

Acrylamide (CAS 79-06-1)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Acetic acid ethenyl ester (CAS 108-05-4)

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Acetic acid ethenyl ester (CAS 108-05-4)

Acrylamide (CAS 79-06-1)

**US. Massachusetts RTK - Substance List**

Acetic acid ethenyl ester (CAS 108-05-4)

Acrylamide (CAS 79-06-1)

**US. New Jersey Worker and Community Right-to-Know Act**

Acetic acid ethenyl ester (CAS 108-05-4) 500 LBS

Acrylamide (CAS 79-06-1) 500 LBS

**US. Rhode Island RTK**

Acetic acid ethenyl ester (CAS 108-05-4)

Acrylamide (CAS 79-06-1)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Acrylamide (CAS 79-06-1) Listed: January 1, 1990

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

Acrylamide (CAS 79-06-1)

Listed: February 25, 2011

**US - California Proposition 65 - CRT: Listed date/Male reproductive toxin**

Acrylamide (CAS 79-06-1)

Listed: February 25, 2011

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	14-August-2014
<b>Revision date</b>	07-May-2015
<b>Version #</b>	04
<b>Further information</b>	This safety datasheet only contains information relating to safety and does not replace any product information or product specification.
<b>HMIS® ratings</b>	Health: 1 Flammability: 3 Physical hazard: 1
<b>NFPA ratings</b>	Health: 1 Flammability: 3 Instability: 1
<b>Disclaimer</b>	<p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.</p> <p>Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.</p>
<b>Revision Information</b>	Physical & Chemical Properties: Multiple Properties