



SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: CMVC - Part B
Product Code: Not available.

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Use: Hardener.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Custom Building Products
13001 Seal Beach Blvd
Seal Beach, CA
90740

Telephone Number: (562) 598-8808

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: INFOTRAC 1-800-535-5053 (US and Canada)
INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL ACCORDING TO OSHA HAZCOM 2012

Hazard class

Acute toxicity 3 (Inhalation)
Acute toxicity 4 (Oral, Dermal)
Skin corrosion 1C
Serious eye damage 1
Skin sensitization 1
Specific target organ toxicity - Single exposure 3

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012

Hazard Pictogram:



Signal Word: Danger

Hazard Statement: Toxic if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.

Prevention: Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Contaminated work clothing must not be allowed out of the workplace.



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Response: If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 ADDITIONAL INFORMATION

Hazards not otherwise classified: Corrosive to the respiratory tract.

12 % of the mixture consists of ingredient(s) of unknown acute toxicity.

WHMIS Classification(s):

Class D2A - Reproductive Toxicity
Class D2B - Skin Sensitization
Class E - Corrosive Material

WHMIS Hazard Symbols:



WHMIS Signal Word: DANGER

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Ingredient	CAS No	Wt. %
4-tert-butylphenol	98-54-4	15 - 40
Benzyl alcohol	100-51-6	10 - 30
m-phenylenebis(methylamine)	1477-55-0	10 - 30
Trimethylhexane-1,6-diamine	25620-58-0	10 - 30
Isophorone diamine	2855-13-2	5 - 10
Bisphenol A	80-05-7	1 - 5
1,3-Propanediamine, N,N-dimethyl-	109-55-7	1 - 5
Salicylic acid	69-72-7	1 - 5
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.



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Section 4: FIRST- AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURE

- Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
- Skin:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Eye:** Causes serious eye damage. Cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin:** Harmful in contact with skin. Causes severe skin burns. Redness. Pain. Blisters. May cause sensitization by skin contact.
- Inhalation:** Toxic if inhaled. Corrosive to the respiratory tract. May cause respiratory irritation. Vapours may cause drowsiness and dizziness.
- Ingestion:** Harmful if swallowed. Cause burns. May cause stomach distress, nausea or vomiting.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

- Note to Physicians:** Symptoms may not appear immediately.
- Specific Treatments:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

- Flammability:** Not flammable by WHMIS/OSHA criteria.

5.2 EXTINGUISHING MEDIA

- Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.
- Unsuitable Extinguishing Media:** None known.

5.3 SPECIAL HAZARDS ARISING FROM THE CHEMICAL

- Products of Combustion:** May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.



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5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Scoop up material and place in a disposal container. Provide ventilation.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Do not get in eyes, on skin, or on clothing. Do not breathe gas/fumes/vapor/spray. Do not swallow. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. (See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Store in a cool place. Keep from freezing. (See section 10)

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Exposure Guidelines

Ingredient	Occupational Exposure Limits	
	OSHA-PEL	ACGIH-TLV
4-tert-butylphenol	Not available.	Not available.
Benzyl alcohol	Not available.	Not available.
m-phenylenebis(methylamine)	Not available.	Not available.
Trimethylhexane-1,6-diamine	Not available.	Not available.
Isophorone diamine	Not available.	Not available.
Bisphenol A	Not available.	Not available.
1,3-Propanediamine, N,N-dimethyl-	Not available.	Not available.
Salicylic acid	Not available.	Not available.
2,4,6-Tris(dimethylaminomethyl)phenol	Not available.	Not available.



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8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Skin Protection:

Hand Protection: Chemical-resistant gloves.

Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

General Health and Safety Measures: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Ensure that eyewash stations and safety showers are close to the workstation location. Wash contaminated clothing before reusing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear.
Color:	Brown.
Odor:	Amine.
Odor Threshold:	Not available.
Physical State:	Liquid.
pH:	11.8
Melting Point/Freezing Point:	Not available.
Initial Boiling Point and Boiling Range:	Not available.
Flash Point:	~ 96 °C (~ 205 °F)
Evaporation Rate:	Not available.
Flammability:	Not flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Relative Density/Specific Gravity:	8.4 lb/gal
Solubility:	Not available.
Partition coefficient: n-octanol/water:	Not available.



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Auto-ignition Temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Oxidizing Properties:	Not available.
Explosive Properties:	Not available.
VOC content:	51.23 g/L (4.70%) when mixed per instructions.

Section 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5 INCOMPATIBLE MATERIALS

Acids. Strong oxidizers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include, and are not limited to: oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Symptoms related to physical/chemical/toxicological characteristics:

Eye: Causes serious eye damage. Causes burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Harmful in contact with skin. Causes severe skin burns. Redness. Pain. Blisters. May cause sensitization by skin contact.

Ingestion: Harmful if swallowed. Causes burns. May cause stomach distress, nausea or vomiting.

Inhalation: Toxic if inhaled. Corrosive to the respiratory tract. May cause respiratory irritation. Vapours may cause drowsiness and dizziness.

Acute Toxicity:

Ingredient	LC50	LD50
4-tert-butylphenol	Not available.	Oral 2990 mg/kg, rat Dermal 2318 mg/kg, rabbit

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Benzyl alcohol	Inhalation 8.8 mg/L 4 h, rat	Oral 1230 mg/kg, rat Dermal 2000 mg/kg, rabbit
m-phenylenebis(methylamine)	Inhalation 700 ppm 1 h, rat	Oral 930 mg/kg, rat Dermal 2000 mg/kg, rabbit
Trimethylhexane-1,6-diamine	Not available.	Oral 910 mg/kg, rat
Isophorone diamine	Not available.	Oral 1030 mg/kg, rat
Bisphenol A	Not available.	Oral 3200 mg/kg, rat Dermal 3 mL/kg, rabbit
1,3-Propanediamine, N,N-dimethyl-	Inhalation >4.31 mg/L 4 h, rat	Oral 922 mg/kg, rat Dermal 400-1000mg/kg, rabbit
Salicylic acid	Not available.	Oral 891 mg/kg, rat Dermal >10 g/kg, rabbit Dermal >2000 mg/kg, rat
2,4,6-Tris(dimethylaminomethyl)phenol	Not available.	Oral 1000 mg/kg, rat Dermal 1280 mg/kg, rat

Calculated overall Chemical Acute Toxicity Values

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
3.3 mg/L 4 h, rat	1324 mg/kg, rat	1882 mg/kg, rabbit

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
4-tert-butylphenol	Not listed.
Benzyl alcohol	Not listed.
m-phenylenebis(methylamine)	Not listed.
Trimethylhexane-1,6-diamine	Not listed.
Isophorone diamine	Not listed.
Bisphenol A	Not listed.
1,3-Propanediamine, N,N-dimethyl-	Not listed.
Salicylic acid	Not listed.
2,4,6-Tris(dimethylaminomethyl)phenol	Not listed.

* See Section 15 for more information.

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

- Skin Corrosion/Irritation:** Causes severe skin burns.
- Serious Eye Damage/Irritation:** Causes serious eye damage.
- Respiratory Sensitization:** Based on available data, the classification criteria are not met.
- Skin Sensitization:** May cause an allergic skin reaction.
- STOT-Single Exposure:** May cause respiratory irritation.
- Chronic Health Effects:**
- Carcinogenicity:** Based on available data, the classification criteria are not met.
 - Germ Cell Mutagenicity:** Based on available data, the classification criteria are not met.
- Reproductive Toxicity:**
- Developmental:** Based on available data, the classification criteria are not met.
 - Teratogenicity:** Based on available data, the classification criteria are not met.
 - Embryotoxicity:** Based on available data, the classification criteria are not met.



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Fertility: Based on available data, the classification criteria are not met.
STOT-Repeated Exposure: Based on available data, the classification criteria are not met.
Aspiration Hazard: Based on available data, the classification criteria are not met.
Toxicologically Synergistic Materials: Not available.
Other Information: Not available.

Section 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Acute/Chronic Toxicity: May cause long-term adverse effects in the aquatic environment.

12.2 PERSISTENCE AND DEGRADABILITY

Not available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not available.

12.4 MOBILITY IN SOIL

Not available.

12.5 OTHER ADVERSE EFFECTS

Not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Other disposal recommendations: Not available.

Section 14: TRANSPORT INFORMATION

14.1 UN NUMBER

DOT	TDG
UN2735	UN2735

14.2 UN PROPER SHIPPING NAME

DOT	TDG
AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, Phenolic compounds)	AMINES, LIQUID, CORROSIVE, N.O.S. (Amines, Phenolic compounds)

14.3 TRANSPORT HAZARD CLASS (ES)

DOT	TDG
8	8



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14.4 PACKING GROUP

DOT
III

TDG
III

14.5 ENVIRONMENTAL HAZARDS

Marine Pollutant.

14.6 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not available.

14.7 SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

Section 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

SARA Title III				
Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
4-tert-butylphenol	Not listed.	Not listed.	Not listed.	Not listed.
Benzyl alcohol	Not listed.	Not listed.	Not listed.	Not listed.
m-phenylenebis(methylamine)	Not listed.	Not listed.	Not listed.	Not listed.
Trimethylhexane-1,6-diamine	Not listed.	Not listed.	Not listed.	Not listed.
Isophorone diamine	Not listed.	Not listed.	Not listed.	Not listed.
Bisphenol A	Not listed.	Not listed.	Not listed.	313
1,3-Propanediamine, N,N-dimethyl-	Not listed.	Not listed.	Not listed.	Not listed.
Salicylic acid	Not listed.	Not listed.	Not listed.	Not listed.
2,4,6-Tris(dimethylaminomethyl)phenol	Not listed.	Not listed.	Not listed.	Not listed.

State Regulations

California Proposition 65:

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. (Toluene)

Global Inventories:

Ingredient	Canada DSL/NDSL	USA TSCA
4-tert-butylphenol	DSL	Yes.
Benzyl alcohol	DSL	Yes.
m-phenylenebis(methylamine)	DSL	Yes.
Trimethylhexane-1,6-diamine	DSL	Yes.
Isophorone diamine	DSL	Yes.

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Bisphenol A	DSL	Yes.
1,3-Propanediamine, N,N-dimethyl-	DSL	Yes.
Salicylic acid	DSL	Yes.
2,4,6-Tris(dimethylaminomethyl)phenol	DSL	Yes.

NFPA National Fire Protection Association:	
Health:	3
Fire:	1
Reactivity:	0

HMIS-Hazardous Materials Identification System	
Health:	3*
Fire:	1
Physical Hazard:	0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65 California Proposition 65

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Date of Preparation: October 23, 2013

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Revision Date: N/A

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End of Safety Data Sheet