



5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024
Issue date: 7/18/2025 Revision date: 7/18/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : 5020 CA-XT B-Component

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coating

1.4. Supplier's details

Manufacturer

Versatile Building Products
1900 Lakeway Dr. Suite 500
Lewisville, TX, 75057
USA
T 1-800-535-3325
www.versatile.net

1.5. Emergency phone number

Emergency number : 1-800-535-3325
Monday - Friday
7 AM - 5 PM Central time

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (inhalation:vapor), Category 4
Respiratory sensitization, Category 1

Skin sensitization, Category 1
Carcinogenicity, Category 2
Reproductive toxicity, Category 2

Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : May cause an allergic skin reaction
Harmful if inhaled
May cause allergy or asthma symptoms or breathing difficulties if inhaled
Suspected of causing cancer.
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5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust, fume, gas, mist, vapors, spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
Wear respiratory protection.
If on skin: Wash with plenty of water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice/attention.
Call a poison center or doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice or attention.
If experiencing respiratory symptoms: Call a poison center or doctor.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Hexamethylene diisocyanate homopolymer	CAS-No.: 28182-81-2	60 - 80
PCBTF	CAS-No.: 98-56-6	10 - 20
Hexane, 1,6-diisocyanato-	CAS-No.: 822-06-0	0.1 < 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Harmful if inhaled. May cause irritation to the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.

Protection during firefighting : 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

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

For non-emergency personnel

No additional information available

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions	: Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store locked up.
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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Hexane, 1,6-diisocyanato- (822-06-0)

USA - ACGIH - Occupational Exposure Limits

Local name	Hexamethylene diisocyanate
ACGIH® TLV® TWA	0.005 ppm
Remark (ACGIH)	TLV® Basis: URT irr; resp sens. Notations: BEI
Regulatory reference	ACGIH 2020

USA - ACGIH - Biological Exposure Indices

Local name	1,6-HEXAMETHYLENE DIISOCYANATE
BEI (BLV)	15 µg/g Kreatinin Parameter: 1,6-Hexamethylenediamine with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)
Regulatory reference	ACGIH 2020

USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	0.035 mg/m³
	0.005 ppm
NIOSH REL (Ceiling)	0.14 mg/m³
	0.02 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Eye protection:
Safety glasses or goggles are recommended when using product.
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
Wear respiratory protection. 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. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 205.8 °F
Flammability (solid, gas)	: Not flammable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

PCBTF	
Boiling point	133.8 – 134.3 °C Atm. press.: 1 atm Decomposition: 'no'
Flash point	39 °C Atm. press.: 995 mBar
Vapor pressure	0.0178 Pa Temp.: 25 °C
Particle characteristics	No data available

Hexamethylene diisocyanate homopolymer	
Flash point	228 °C
Auto-ignition temperature	460 °C
Vapor pressure	0.002 Pa (at 20 °C)
Particle characteristics	No data available

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Hexane, 1,6-diisocyanato-	
Boiling point	255 °C (at 1013 hPa)
Flash point	130 °C
Auto-ignition temperature	454 °C
Vapor pressure	0.05 mm Hg (at 25 °C)
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Direct sunlight. Incompatible materials.

10.5. Incompatible materials

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:vapor: Harmful if inhaled.

5020 CA-XT B-Component	
ATE US (vapors)	12.433 mg/l/4h
Unknown acute toxicity (GHS US)	0.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
PCBTF (98-56-6)	
LD50 oral rat	13 g/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 3300 mg/kg body weight Animal: rabbit
LC50 inhalation rat	> 32.03 mg/l air Animal: rat, Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Hexamethylene diisocyanate homopolymer (28182-81-2)	
LD50 oral rat	> 2500 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: rabbit, Guideline: other:
LC50 inhalation rat	18500 mg/m ³ (Exposure time: 1 h Source: NLM_CIP)

Hexane, 1,6-diisocyanato- (822-06-0)	
LD50 oral rat	738 mg/kg (Source: NLM_HSDB)
LD50 dermal rat	> 7000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	0.06 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

PCBTF (98-56-6)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified

Hexane, 1,6-diisocyanato- (822-06-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified

PCBTF (98-56-6)	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat
NOAEL (oral,rat,90 days)	40 mg/kg body weight Animal: rat, Animal sex: male
Aspiration hazard	: Not classified

5020 CA-XT B-Component	
Viscosity, kinematic	No data available

PCBTF (98-56-6)	
Viscosity, kinematic	No data available

Hexamethylene diisocyanate homopolymer (28182-81-2)	
Viscosity, kinematic	≈ 3300.506 mm ² /s

Hexane, 1,6-diisocyanato- (822-06-0)	
Viscosity, kinematic	No data available

Symptoms/effects after inhalation	: Harmful if inhaled. May cause irritation to the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

PCBTF (98-56-6)	
LC50 - Fish [1]	3 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	3.68 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 0.41 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Hexamethylene diisocyanate homopolymer (28182-81-2)	
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): other:

Hexane, 1,6-diisocyanato- (822-06-0)	
LC50 - Fish [1]	26.1 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
EC50 72h - Algae [1]	> 77.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

12.2. Persistence and degradability

5020 CA-XT B-Component	
Persistence and degradability	Not established.

PCBTF (98-56-6)	
Persistence and degradability	Rapidly degradable

Hexamethylene diisocyanate homopolymer (28182-81-2)	
Persistence and degradability	Rapidly degradable

Hexane, 1,6-diisocyanato- (822-06-0)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

5020 CA-XT B-Component	
Bioaccumulative potential	Not established.

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

PCBTF (98-56-6)

Partition coefficient n-octanol/water	3.7 (at 25 °C)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14 Transport information

In accordance with DOT

14.1. UN number

UN-No. (DOT) : Not regulated

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

5020 CA-XT B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

15.2. International regulations

No additional information available

15.3. State regulations

 **WARNING:** This product can expose you to p-Chloro- α,α,α -trifluorotoluene (para-Chlorobenzo trifluoride, PCBTF), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Revision date : 7/18/2025
Issue date : 7/18/2025
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



Safety Data Sheet (SDS), USA

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