



4195 B-Component

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024
Issue date: 5/1/2025 Revision date: 5/1/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : 4195 B-Component
Product code : Not available

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Concrete Floor Coating Low Yellowing Hardener

1.4. Supplier's details

Manufacturer

Versatile Building Products
1900 Lakeway Dr. Suite 500
Lewisville, Texas 75057
T 1-800-535-3325

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

Flammable liquid, Category 4
Acute toxicity (oral), Category 4
Acute toxicity (dermal), Category 4
Skin corrosion/irritation, Category 1B
Serious eye damage/eye irritation, Category 1
Skin sensitization, Category 1

Combustible liquid.
Harmful if swallowed.
Harmful in contact with skin.
Causes severe skin burns
Causes serious eye damage.
May cause an allergic skin reaction.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: Combustible liquid
Harmful if swallowed or in contact with skin
Causes severe skin burns and eye damage
May cause an allergic skin reaction

Precautionary statements (GHS US)

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not breathe dusts or mists.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.

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Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.
If swallowed: rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice or attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
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 or doctor.
Store in a well-ventilated place.
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

37% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
47% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine	CAS-No.: 186321-96-0	80 – 100
Benzyl alcohol	CAS-No.: 100-51-6	20 – 50
1,3-Propanediamine, N1,N1-dimethyl-	CAS-No.: 109-55-7	5 – 10
2,4,6-Tri(dimethylaminomethyl)phenol	CAS-No.: 90-72-2	5 – 10

*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 after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately 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. Immediately call a poison center or doctor/physician.

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. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor/physician.

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4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause burns to the respiratory system.
Symptoms/effects after skin contact	: Harmful in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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).
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon. Nitrogen oxides. Toxic or corrosive vapors.
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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. Use special care to avoid static electric charges.
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For non-emergency personnel

Emergency procedures	: Do not touch or walk on the spilled product.
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For emergency responders

Environmental precautions	: Prevent entry to sewers and public waters.
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6.2. Methods and materials for containment and cleaning up

For containment	: Stop leak if safe to do so. Remove ignition sources. 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"

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SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from sources of ignition - No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not get in eyes, on skin, or on clothing.
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 in a well-ventilated place. Keep cool. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.
Storage temperature	: 15 to 35°C (59 to 95°F).

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Benzyl alcohol (100-51-6)

USA - AIHA - Occupational Exposure Limits

WEEL TWA	10 ppm
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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.
Eye protection:
Wear eye/face protection
Skin and 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. 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.

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SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: amber
Odor	: Amine
Odor threshold	: No data available
pH	: 10 – 12
pH solution concentration	: 10 %
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 135 °C (275 °F)
Flash point	: 212 °F (Pensky-Martens close cup)
Flammability (solid, gas)	: Combustible
Vapor pressure	: < 1.4 kPa (<10.37 mm Hg)
Relative vapor density at 20°C	: No data available
Relative density	: 1.01
Solubility	: partially soluble in water.
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 150 °C (>302 °F)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1500 – 2000 mPa·s (1500 - 2000 cP)
Explosion limits	: No data available
Particle characteristics	: No data available

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine

Boiling point	> 400 °C Atm. press.: 1 atm
Flash point	> 110 °C Atm. press.: 97,867 other:

Benzyl alcohol

Boiling point	205.3 °C (at 1013 hPa)
Flash point	100.4 °C (open cup)
Auto-ignition temperature	436 °C
Vapor pressure	0.03 hPa (at 20 °C)

1,3-Propanediamine, N1,N1-dimethyl-

Boiling point	135.1 °C (at 1013.25 hPa)
Flash point	30.5 °C (closed cup)
Auto-ignition temperature	305 °C (at 1013 hPa)
Vapor pressure	10 hPa (at 20 °C)

2,4,6-Tri(dimethylaminomethyl)phenol

Boiling point	≈ 594 °C Atm. press.: 101,325 kPa Decomposition: 'yes' Decomp. temp.: 429
Flash point	149 °C (closed cup)
Vapor pressure	< 0.01 hPa (at 21 °C)

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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. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sources of ignition. Incompatible materials.

10.5. Incompatible materials

Materials reactive with hydroxyl compounds, reactive metals

10.6. Hazardous decomposition products

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

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Not classified.

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ATE US (oral)	922 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
Unknown acute toxicity (GHS US)	37% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 47% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
Benzyl alcohol (100-51-6)	
LD50 oral rat	1230 mg/kg (Source: NLM_CIP)
LD50 oral	1580 mg/kg body weight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770
LD50 dermal rabbit	2 g/kg (Source: NLM_CIP)
LC50 inhalation rat	> 4178 mg/m³ (Exposure time: 4 h Source: ECHA_API)
1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
LD50 oral rat	922 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	600 µl/kg (Source: NLM_HSDB)

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1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
LC50 inhalation rat	> 4.31 mg/l/4h
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
LD50 oral rat	1200 mg/kg (Source: NLM_CIP)
Skin corrosion/irritation	: Causes severe skin burns. pH: 10 – 12
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
pH	10.4 Temp.: 20 °C
Serious eye damage/irritation	: Causes serious eye damage. pH: 10 – 12
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
pH	10.4 Temp.: 20 °C
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Benzyl alcohol (100-51-6)	
NOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: other:OECD Guideline 451 (Carcinogenicity Studies)
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
NOAEL (oral,rat,90 days)	15 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
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Viscosity, kinematic	No data available
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
Viscosity, kinematic	No data available
Benzyl alcohol (100-51-6)	
Viscosity, kinematic	4.847 mm²/s
1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
Viscosity, kinematic	No data available

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2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
Viscosity, kinematic	24.691 mm ² /s
Symptoms/effects after inhalation	: May cause burns to the respiratory system.
Symptoms/effects after skin contact	: Harmful in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
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.
Unknown hazards to the aquatic environment (GHS US)	: Contains 10 % of components with unknown hazards to the aquatic environment
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
LC50 - Fish [1]	1.806 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.705 mg/l Test organisms (species): Daphnia magna

Benzyl alcohol (100-51-6)	
LC50 - Fish [1]	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)
LC50 - Fish [2]	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 72h - Algae [1]	770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	76828 mg/l Test organisms (species): other:
NOEC (chronic)	51 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	48897 mg/l Test organisms (species): other: Duration: '30 d'

1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
EC50 - Crustacea [1]	59.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	56.2 mg/l (Species: Desmodesmus subspicatus)
EC50 96h - Algae [1]	57.5 mg/l (Species: Desmodesmus subspicatus)

2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
LC50 - Fish [1]	175 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna

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2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
LC50 - Fish [2]	180 – 240 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	84 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	25.5 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

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Persistence and degradability	Not established.
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
Persistence and degradability	Rapidly degradable
Benzyl alcohol (100-51-6)	
Persistence and degradability	Rapidly degradable
1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
Persistence and degradability	Rapidly degradable
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine (186321-96-0)	
Partition coefficient n-octanol/water	3.38 (at 25 °C (at pH 10.4)
Benzyl alcohol (100-51-6)	
Partition coefficient n-octanol/water	1.05
1,3-Propanediamine, N1,N1-dimethyl- (109-55-7)	
Partition coefficient n-octanol/water	-0.352 (at 25 °C)

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.

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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.
- Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14 Transport information

In accordance with DOT

14.1. UN number

UN-No. (DOT) : UN2735

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Amines, liquid, corrosive, n.o.s. (1,3-Propanediamine, N1,N1-dimethyl-)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 8

Hazard labels (DOT) : 8



14.4. Packing group

Packing group (DOT) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

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

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.

15.2. International regulations

No additional information available

15.3. State regulations

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 **WARNING:** This product can expose you to Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

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Revision date : 5/1/2025
Issue date : 5/1/2025
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



Safety Data Sheet (SDS), USA

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