1 Identification

1.1 Product Identifier

Product Name: 4195 B

1.2 Application of the substance / the preparation:

Concrete Primer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Versatile Building Products
245 Carl Karcher Way
Anaheim, Ca 92801
U.S.A.

Information department

Health and Safety (8 AM to 5 PM-PST) 1-714-829-2600
MSDS@garagecoatings.com

1.4 Emergency telephone number:

Infotrac: (800) 535-5053 (North America)
(352) 323-3500 (International)

2 Hazard(s) identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin Corrosion	Category 1B
Serious Eye Damage	Category 1
Skin Sensitization	Category 1

2.2 GHS Label Elements, including precautionary statements

Pictogram

Signal Word Danger

Appearance: Clear Viscous Liquid **Physical State:** Liquid **Odor:** Amine

Hazard statements

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Precautionary statement(s) - Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray

Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement(s) - Response
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Collect spillage.

Precautionary statement(s) - Storage
Store in a well-ventilated place. Keep container tightly closed.

Precautionary statement(s) - Disposal
Disposal of contents/container to be specified in accordance with regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS –

Corrosive
Components of the product may affect the nervous system
Severe eye irritant
Severe respiratory irritant
May cause sensitization by skin contact

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	CAS Number	%
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	<5
Benzyl alcohol	100-51-6	10-25
N,N-dimethyl-1,3-propanediamine	109-55-7	<5
Triethylenetetramine	112-24-3	<5

4 First-aid measures

4.1 Description of first aid measures

General advice

Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

After inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

After eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

After swallowing:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed:

Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause: Sore throat, eye disease, skin disorders, allergies, asthma, and neurological disorders.

4.3 Indication of immediate medical attention and special treatment needed

5 Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards arising from the substance or mixture

Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Do not allow run-off from firefighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 Exposure controls/personal protection

8.1 **Control parameters**

Components with workplace control parameters

Benzyl alcohol	Time Weighted Average (TWA): WEEL	10 ppm	44.20 mg/m3
Triethylenetetramine	Time Weighted Average (TWA): WEEL	1 ppm	6 mg/m3

8.2 **Exposure controls**

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation

of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.
If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	**Appearance**	Form: Clear, viscous liquid Colour: Amber
b)	**Odour**	Characteristic
c)	**Odour Threshold**	No data available
d)	**pH**	11
e)	**Melting point/freezing point**	No data available
f)	**Initial boiling point and boiling range**	>392 ºF (200 ºC)
g)	**Flash point**	>212 °F (100 °C) - closed cup
h)	**Evaporation rate**	no data available
i)	**Flammability (solid/gas)**	no data available
j)	**Upper/lower flammability or explosive limits**	no data available
k)	**Vapour pressure**	0.08 mmHG at 70 ºF (21 ºC)
l)	**Vapour density**	Not applicable
m)	**Relative density**	1.01 g/cm3 at 25°C (77°F)
n)	**Water solubility**	<0.1 g/L
o)	**Partition coefficient: n-octanol/water**	no data available
p)	**Auto-ignition temperature**	no data available
q)	**Decomposition temperature**	no data available
r)	**Viscosity**	1500 CPS 25°C (77°F)
s)	**Explosive properties**	no data available
t)	**Oxidizing properties**	no data available

9.2 Other safety information

No data available

10 Stability and reactivity

10.1 Control parameters

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Reactive metals (Sodium, Calcium, Zinc, etc.)
Materials reactive with hydroxyl compounds
Organic acids (acetic acid, citric acid, etc.)
Mineral acids
Sodium hypochlorite
Product slowly corrodes copper, aluminum, zince, and galvanized surfaces.
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion
Oxidizing agents

10.6 Hazardous decomposition products

Nitric acid
Ammonia
Nitrogen oxides (NOx)
Nitrogen oxide can react with water vapors to form corrosive nitric acid
Carbon monoxide
Carbon dioxide (CO2)
Aldehydes
Flammable hydrocarbon fragments
In the event of fire: see section 5

11 Toxicological Information

11.1 Information on likely routes of exposure

Effects on Eye Corneal adema may give rise to a perception of “blue haze” or “fog” around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness. Severe eye irritation.

Effects on Skin Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.

Inhalation Effects Harmful if inhaled and may cause delayed lung injury. Can cause severe eye, skin, and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure. Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system.

Ingestion Effects If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

11.2 Information on physical, chemical and toxicological effects

Symptoms Causes eye irritation. Causes skin irritation. Stomach ache, nausea, vomiting, dullness, vision disorder, and blindness.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Skin sensitizer
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT – Single exposure	No data available
STOT – Repeated exposure	No data available

11.4 Numerical measures of toxicity – Product

Not determined

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 Ecological information

12.1 Aquatic Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

13 Disposal considerations

13.1 **Waste treatment methods**

Product

Contact supplier if guidance is required.

Contaminated packaging

Dispose of container and unused contents in accordance with federal, state, and local requirements.

14 Transport information

The shipping classification in this section is for bulk packaging only. Shipping classification may be different for non-bulk packaging as exceptions may apply. Refer to shipping documents for package specific transportation classification.

DOT (US)

UN number: 2735 Class: 8 Packing group: III
Proper shipping name: Amines, liquid, corrosive, n.o.s. (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Marine pollutant: No
Poison Inhalation Hazard: No
Limited Quantity: 5 L
U.S. Hazmat and/or International DG shipment Exception
The supplier may apply one of the following exceptions: Combustible liquid, Consumer Commodity, **Limited Quantity**, Viscous Liquid, Does not sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

IMDG

UN number: 2735 Class: 8 Packing group: III
Proper shipping name: Amines, liquid, corrosive, n.o.s. (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Marine pollutant: Yes

IATA

UN number: 2735 Class: 8 Packing group: III
Proper shipping name: Amines, liquid, corrosive, n.o.s. (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Marine pollutant: Yes

15 Regulatory information

United States Regulatory Information

TSCA 8 (b) Inventory Status
All Components are listed or exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12 (b) Export Notification
None above reporting de minimus

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status:
All components are listed on or are exempt from listing on the Domestic Substances List.

16 Other information

Issue Date: 11-Nov-2014
Revision Date: 05-May-2015
Revision Note: Update information

HMIS Rating

Health Hazard:	3
Flammability:	1
Physical Hazard:	0

NFPA Rating

Health Hazard:	3
Fire Hazard:	1
Reactivity Hazard:	0

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