

SECTION 1. IDENTIFICATION

Product Name	4800 B-Component HD
Product Use Description	Architecture Coating
Manufacturer Name	Versatile Building Products
Address	245 Carl Karcher Way Anaheim, CA 92801
Website	www.versatile.net
Telephone	800-535-3325 714-829-2600 (Health and Safety 8 a.m – 5 p.m PST)
Emergency Telephone Number - INFOTRAC	800-535-5053 (North America) 352-323-3500 (International)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity – Oral	Category 4
Skin Corrosion/Irritation	Category 1C
Serious Eye Damage/Eye Irritation	Category 1
Skin Sensitizer	Category 1
Specific Target Organ Toxicity – Oral	Category 2

GHS Pictogram



Signal Word	Danger
Appearance	Clear Viscous Liquid
Physical State	Liquid
Odor	Amine
Hazard Statements	Causes severe skin burn and eye damage May cause an allergic skin reaction

Precautionary Statement(s) -

Prevention	Do not handle until all safety precautions have been read and understood. Keep container tightly closed. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
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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 comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
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Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/ container to an approved waste disposal plant.
Hazards not otherwise classified	None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	% by Weight
1. Modified Cycloaliphatic Amine	Trade Secret	-
2. Aliphatic Amine	Not Available	>5%
3. Alcohol	Not Available	>10%

Note: This product may contain additional ingredients that are classified as non-hazards or at a very small concentration that do not meet the regulatory concentration limits for disclosure.

SECTION 4. 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.
Eye Contact	Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
Skin Contact	Take off contaminated clothing and shoes immediately. Cover wound with sterile dressing. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Flush immediately with copious amounts of water.
Inhalation	Move to fresh air.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Turn victim's head to the side.
Most Important Symptoms/Effect, Acute and Delayed –	Eye disease. Neurological disorders Skin disorders and Allergies.

SECTION 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Dry sand. Limestone powder.
Specific Hazards Arising from the Substances of 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.
Special Protective Equipment for Firefighters	Avoid contact with the skin. A face shield should be worn. Use Personal Protective equipment. Wear self-contained breathing apparatus for fire-fighting if necessary.
Further Information	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions,
Protective Equipment,
and Emergency Producers**

Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental Precautions

Do not allow spill to enter into sewers or waterways. Use appropriate containment to avoid environmental contamination. Construct a dike to prevent spreading.

**Methods and Materials for
Containment and Cleaning-up**

Approach suspected leak areas with caution. Call Emergency Response number for advice. Place in appropriate chemical waste container.

Additional Advice

If possible, stop flow of product.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer causing nitrosamines could be formed. Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment.

Conditions for Safe Storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

Hygiene Practice

Eating, drinking and smoking should be prohibited in areas where this material is handled. Wash hands thoroughly after handling.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineer Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below recommended exposure limits.

Wear appropriate personal protective equipment where such systems are not effective to perform satisfactorily and meets OSHA or other recognized standards.

Personal Protection Equipment -

Eye/Face Protection

Full face shield with goggles underneath.

Skin Protection

Neoprene gloves.

PVC disposable gloves

Impervious gloves.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body Protection

Impervious clothing.

Rubber or plastic boots.

Slicker Suit.

Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each work-shift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

Respiratory Protection

Not required for properly ventilated areas.

Environmental Exposure Controls

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Viscous liquid

Color

Light yellow

Odor	Ammoniacal
Odor Threshold	No data available
pH	Alkaline
Melting Point / Freezing Point	No data available
Boiling Point/Range	405°F (207°C)
Flash Point	230°F (110°C) – closed cup
Evaporation Rate	No data available
Flammability (solid/gas)	No data available
Upper/lower Flammability Limit	No data available
Vapor Pressure	<10.37 mmHg at 70°F (21°C)
Vapor Density	No data available
Relative Density	1.03g/cm ³ at 77°F (25°C)
Water Solubility	<0.1g/L
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	100-300 cps at 77°F (25°C)
Explosive Properties	No data available
Oxidizing Properties	No data available
VOC	0 g/L

SECTION 10. STABILITY AND REACTIVITY

Control Parameters	No data available
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	Avoid high temperatures
Incompatible Materials	<p>Reactive metals (e.g. sodium, calcium, zinc etc.).</p> <p>Materials reactive with hydroxyl compounds.</p> <p>CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.</p> <p>Nitrous acid and other nitrosating agents.</p> <p>Organic acids (i.e. acetic acid, citric acid etc.).</p> <p>Mineral acids.</p> <p>Sodium hypochlorite.</p> <p>Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.</p> <p>Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.</p> <p>Oxidizing agents.</p>
Hazardous Decomposition Products	<p>Nitric acid.</p> <p>Ammonia</p> <p>Nitrogen oxides (NO_x).</p> <p>Nitrogen oxide can react with water vapors to form corrosive nitric acid.</p> <p>Carbon monoxide.</p> <p>Carbon dioxide (CO₂).</p> <p>Aldehydes</p>

Flammable hydrocarbon fragments.
In the event of fire, see section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure

Eye Contact	Corneal edema 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.
Skin Contact	Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties.
Inhalation	Inhalation of aerosol may cause irritation to the upper respiratory tract. In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Can cause severe eye, skin and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Potential Acute Health Effects

Acute Toxicity -

Ingestion	No data is available on the product itself.
Skin Contact	No data is available on the product itself.

Acute Irritation -

Eye Contact	Severe eye irritating
Skin Contact	Severe skin irritating

Allergic Sensitization -

Skin Contact	Dermal sensitization to this product or component has been seen in some humans., Component of this product has been found to cause mild skin sensitization in guinea pigs. Sensitization has occurred in laboratory animals after repeated exposures.
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Chronic Toxicity / Effects from Long Term Exposure

Sensitization	Skin sensitizer
Germ Cell Mutagenicity	This product or a component was mutagenic in a bacterial assay. This product or a component did not cause chromosome damage in an in vivo micronucleus assay.
Carcinogenicity	No data available
Reproductive Toxicity	No data is available on the product itself.
Specific Target Organ Systemic Toxicity (Single Exposure)	No data available
Specific Target Organ Systemic Toxicity (Repeated Exposure)	No data available

Products Numerical Measures of Toxicity –

Not determined

Additional Information –

This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction. Eye disease. Neurological disorders, Skin disorders and Allergies.

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Life	No data available on the product itself
Persistence and Degradability	No data available on the product itself
Bio accumulative Potential	No data available on the product itself
Mobility in Soil	No data available on the product itself
Results of PBT and vPvB Assessment	No data available as chemical safety assessment not required/not conducted
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste/Unused Products	The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way. Contact supplier if guidance is required.
Contaminated Packaging	Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 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/ID No	UN2735
Proper Shipping Name	Amines, Liquid, corrosive, n.o.s (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Class of Division	8
Packing Group	III
Labels	8
Poison Inhalation Hazard	No
Marine Pollutant	No

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.

Limited Quantity: 5 L

IMO/IMDG

UN/ID No	UN2735
Proper Shipping Name	Amines, Liquid, corrosive, n.o.s (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Class of Division	8
Packing Group	III
Labels	8
Marine Pollutant	Yes

ICAO/IATA

UN/ID No	UN2735
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Proper Shipping Name	Amines, Liquid, corrosive, n.o.s (N,N-dimethyl-1,3-propanediamine, Triethylenetetramine)
Class of Division	8
Packing Group	III
Labels	8
Marine Pollutant	Yes

SECTION 15. REGULATORY INFORMATION

UNITED STATES

TSCA 8 (b) Inventory Status	All Components are listed or exempt from listing on the TSCAI										
TSCA 12 (b) Export Notification	None above reporting de minimus										
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.										
SARA 313 Components	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	<table> <tr> <td>Acute health hazard</td> <td>Yes</td> </tr> <tr> <td>Chronic health hazard</td> <td>No</td> </tr> <tr> <td>Fire hazard</td> <td>No</td> </tr> <tr> <td>Sudden release of pressure hazard</td> <td>No</td> </tr> <tr> <td>Reactive hazard</td> <td>No</td> </tr> </table>	Acute health hazard	Yes	Chronic health hazard	No	Fire hazard	No	Sudden release of pressure hazard	No	Reactive hazard	No
Acute health hazard	Yes										
Chronic health hazard	No										
Fire hazard	No										
Sudden release of pressure hazard	No										
Reactive hazard	No										
California Prop. 65 Components	WARNING: This product may contain chemicals known to the State of California to cause birth defects or other reproductive harm.										

CANADA

CEPA DSL/NDSL Status	All components are listed or exempt from listing on the Domestic Substances List.
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SECTION 16. OTHER INFORMATION

Creation Date	11/11/2014
Revision Date	1/20/2019
Version	2
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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