

## SAFETY DATA SHEET

### 1. Identification

**Material name:** ALPHAGUARD PUMA VB - PART B 1.2 GL  
**Material:** 351960VBB802

**Recommended use and restriction on use**

**Recommended use:** Sealant  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

Tremco Incorporated  
3735 Green Road  
BEACHWOOD OH 44122  
US

**Contact person:** EH&S Department  
**Telephone:** 216-292-5000  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

### 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

|                                   |             |
|-----------------------------------|-------------|
| Acute toxicity (Oral)             | Category 4  |
| Acute toxicity (Dermal)           | Category 4  |
| Skin Corrosion/Irritation         | Category 2  |
| Serious Eye Damage/Eye Irritation | Category 2A |
| Respiratory sensitizer            | Category 1  |
| Skin sensitizer                   | Category 1  |

**Unknown toxicity - Health**

|  |         |
|--|---------|
| Acute toxicity, oral                     | 95.45 % |
| Acute toxicity, dermal                   | 98 %    |
| Acute toxicity, inhalation, vapor        | 100 %   |
| Acute toxicity, inhalation, dust or mist | 100 %   |

**Label Elements**

**Hazard Symbol:**



|   |   |
|---|---|
| <b>Signal Word:</b>                               | Danger  |
| <b>Hazard Statement:</b>                          | Harmful if swallowed or in contact with skin.<br>Causes skin irritation.<br>May cause an allergic skin reaction.<br>Causes serious eye irritation.<br>May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| <b>Precautionary Statements</b>                   |   |
| <b>Prevention:</b>                                | Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. [In case of inadequate ventilation] wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace.   |
| <b>Response:</b>                                  | If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: 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. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see this label). Wash contaminated clothing before reuse. |
| <b>Disposal:</b>                                  | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  |
| <b>Hazard(s) not otherwise classified (HNOC):</b> | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical Identity               | CAS number | Content in percent (%)* |
|---------------------------------|------------|-------------------------|
| Tris(dimethylaminomethyl)phenol | 90-72-2    | 1 - <3%                 |
| Ethylene diamine                | 107-15-3   | 1 - <5%                 |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

|                    |   |
|--------------------|---|
| <b>Ingestion:</b>  | Call a POISON CENTER/doctor/.../if you feel unwell. Rinse mouth.  |
| <b>Inhalation:</b> | Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. Move to fresh air. If breathing is difficult, give oxygen. |

**Skin Contact:** Call a POISON CENTER/doctor/.../if you feel unwell. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Symptoms may be delayed.

**5. Fire-fighting measures**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Evacuate area. Keep upwind.

**Methods and material for containment and cleaning up:** Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Notification Procedures:** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

## 7. Handling and storage

**Precautions for safe handling:** Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Do not taste or swallow. Avoid contact with eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin.

**Conditions for safe storage, including any incompatibilities:** Store away from incompatible materials. Store in original tightly closed container.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

| Chemical Identity | type | Exposure Limit Values | Source  |
|-------------------|------|-----------------------|---|
| Ethylene diamine  | TWA  | 10 ppm                | US. ACGIH Threshold Limit Values (2011)                                     |
|                   | PEL  | 10 ppm 25 mg/m3       | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |

| Chemical name    | type | Exposure Limit Values | Source  |
|------------------|------|-----------------------|---|
| Ethylene diamine | TWA  | 10 ppm                | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Ethylene diamine | TWA  | 10 ppm                | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)  |
| Ethylene diamine | TWA  | 10 ppm 25 mg/m3       | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (12 2008)  |

**Appropriate Engineering Controls** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

### Individual protection measures, such as personal protective equipment

**General information:** Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

#### Skin Protection

**Hand Protection:** Use suitable protective gloves if risk of skin contact.

|                                |   |
|--------------------------------|---|
| <b>Other:</b>                  | Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.  |
| <b>Respiratory Protection:</b> | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information. |
| <b>Hygiene measures:</b>       | Avoid contact with skin. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Wash hands after handling. Avoid contact with eyes. Wash contaminated clothing before reuse. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.   |

## 9. Physical and chemical properties

### Appearance

|  |   |
|--|---|
| <b>Physical state:</b>                                       | liquid  |
| <b>Form:</b>   | liquid  |
| <b>Color:</b>  | Colorless to reddish brown  |
| <b>Odor:</b>   | Amine-like odor   |
| <b>Odor threshold:</b>                                       | No data available.  |
| <b>pH:</b>   | 10.5  |
| <b>Melting point/freezing point:</b>                         | No data available.  |
| <b>Initial boiling point and boiling range:</b>              | > 65 °C > 149 °F  |
| <b>Flash Point:</b>  | > 100 °C > 212 °F   |
| <b>Evaporation rate:</b>                                     | Slower than Ether   |
| <b>Flammability (solid, gas):</b>                            | No  |
| <b>Upper/lower limit on flammability or explosive limits</b> |   |
| <b>Flammability limit - upper (%):</b>                       | No data available.  |
| <b>Flammability limit - lower (%):</b>                       | No data available.  |
| <b>Explosive limit - upper (%):</b>                          | No data available.  |
| <b>Explosive limit - lower (%):</b>                          | No data available.  |
| <b>Vapor pressure:</b>                                       | No data available.  |
| <b>Vapor density:</b>  | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| <b>Relative density:</b>                                     | 1.0   |
| <b>Solubility(ies)</b>                                       |   |
| <b>Solubility in water:</b>                                  | Insoluble in water  |
| <b>Solubility (other):</b>                                   | No data available.  |
| <b>Partition coefficient (n-octanol/water):</b>              | No data available.  |
| <b>Auto-ignition temperature:</b>                            | No data available.  |
| <b>Decomposition temperature:</b>                            | No data available.  |
| <b>Viscosity:</b>  | No data available.  |

**10. Stability and reactivity**

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No data available.  |
| <b>Chemical Stability:</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions:</b> | No data available.  |
| <b>Conditions to avoid:</b>                | Avoid heat or contamination.  |
| <b>Incompatible Materials:</b>             | No data available.  |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

**11. Toxicological information****Information on likely routes of exposure**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| <b>Skin Contact:</b> | Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.    |
| <b>Eye contact:</b>  | Causes serious eye irritation.  |
| <b>Ingestion:</b>    | Harmful if swallowed.   |

**Symptoms related to the physical, chemical and toxicological characteristics**

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |
| <b>Ingestion:</b>    | No data available. |

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

|                            |                        |
|----------------------------|------------------------|
| <b>Oral Product:</b>       | ATEmix: 1,280.33 mg/kg |
| <b>Dermal Product:</b>     | ATEmix: 1,520 mg/kg    |
| <b>Inhalation Product:</b> |                        |

**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** No data available.**Serious Eye Damage/Eye Irritation****Product:** No data available.**Respiratory or Skin Sensitization****Product:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause sensitization by inhalation.**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other effects:** No data available.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log K<sub>ow</sub>)****Product:** No data available.**Mobility in soil:** No data available.**Other adverse effects:** No data available.**13. Disposal considerations****Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.**Contaminated Packaging:** No data available.**14. Transport information****TDG:**



Not Regulated

**CFR / DOT:**

Not Regulated

**IMDG:**

Not Regulated

## 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Ethylene diamine         | 5000 lbs.                  |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard

**SARA 302 Extremely Hazardous Substance**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> | <u>Threshold Planning Quantity</u> |
|--------------------------|----------------------------|------------------------------------|
| Ethylene diamine         | 5000 lbs.                  | 10000 lbs.                         |

**SARA 304 Emergency Release Notification**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Ethylene diamine         | 5000 lbs.                  |

**SARA 311/312 Hazardous Chemical**

| <u>Chemical Identity</u>        | <u>Threshold Planning Quantity</u> |
|---------------------------------|------------------------------------|
| Ethylene diamine                | 500lbs                             |
| Tris(dimethylaminomethyl)phenol | 10000 lbs                          |

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Ethylene diamine         | lbs                        |

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

## US State Regulations

### US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

### US. New Jersey Worker and Community Right-to-Know Act

#### Chemical Identity

Ethylene diamine

### US. Massachusetts RTK - Substance List

#### Chemical Identity

Ethylene diamine

### US. Pennsylvania RTK - Hazardous Substances

#### Chemical Identity

Ethylene diamine

### US. Rhode Island RTK

#### Chemical Identity

Ethylene diamine

## International regulations

### Montreal protocol

not applicable

### Stockholm convention

not applicable

### Rotterdam convention

not applicable

### Kyoto protocol

not applicable

### VOC:

Regulatory VOC (less water and exempt solvent) : 0 g/l

VOC Method 310 : 0.00 %

**Inventory Status:**

|  |  |
|--|--|
| Australia AICS:                          | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List:               | One or more components in this product are not listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | One or more components in this product are not listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI):    | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada NDSL Inventory:                   | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| US TSCA Inventory:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals:      | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan ISHL Listing:                      | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing:             | One or more components in this product are not listed on or exempt from the Inventory. |
| Mexico INSQ:                             | One or more components in this product are not listed on or exempt from the Inventory. |
| Ontario Inventory:                       | One or more components in this product are not listed on or exempt from the Inventory. |
| Taiwan Chemical Substance Inventory:     | One or more components in this product are not listed on or exempt from the Inventory. |

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| <b>16. Other information, including date of preparation or last revision</b> |
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**Revision Date:** 12/20/2016

**Version #:** 1.0

**Further Information:** No data available.

**Disclaimer:** For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.