



# SAFETY DATA SHEET

## 1. Identification

**Material name:** BARACADE WB 244  
**Material:** TL193555244

### Recommended use and restriction on use

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

### Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY  
19218 REDWOOD ROAD  
CLEVELAND OH 44110  
US

### Contact person:

**Telephone:**

**Emergency telephone number:**

EH&S Department

216-531-9222

1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Health Hazards

|                                   |            |
|-----------------------------------|------------|
| Serious Eye Damage/Eye Irritation | Category 1 |
| Skin sensitizer                   | Category 1 |
| Reproductive toxicity             | Category 2 |

#### Unknown toxicity - Health

|                                          |       |
|------------------------------------------|-------|
| Acute toxicity, oral                     | 5.6 % |
| Acute toxicity, dermal                   | 5.6 % |
| Acute toxicity, inhalation, vapor        | 10 %  |
| Acute toxicity, inhalation, dust or mist | 10 %  |

### Label Elements

#### Hazard Symbol:



**Signal Word:**

Danger

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**Hazard Statement:** Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility.

**Precautionary Statements**

**Prevention:** 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse. 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. IF exposed or concerned: Get medical advice/attention.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazard(s) not otherwise classified (HNOC):** None.

**3. Composition/information on ingredients**

**Mixtures**

| Chemical Identity              | CAS number   | Content in percent (%)* |
|--------------------------------|--------------|-------------------------|
| Silane/Siloxane blend          | Trade Secret | 5 - <10%                |
| Octyl(triethoxy)silane         | 2943-75-1    | 1 - <5%                 |
| Octamethylcyclotetrasiloxane   | 556-67-2     | 0.1 - <1%               |
| 3(2H)-Isothiazolone, 2-methyl- | 2682-20-4    | 0.0015 - <0.1%          |

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

**4. First-aid measures**

**Description of necessary first-aid measures**

**Inhalation:** Move to fresh air.

**Skin Contact:** If skin irritation occurs: Get medical advice/attention. 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.



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**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.

**Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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

**Symptoms:** Extreme irritation of eyes and mucous membranes, including burning and tearing.

**Hazards:** No data available.

**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 fire-fighters**

**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.

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

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|                                                              |                                                                                                                                                                                     |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods and material for containment and cleaning up:</b> | 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. |
| <b>Environmental Precautions:</b>                            | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.                                                  |

**7. Handling and storage**

**Handling**

|                                                                 |                                                                                                                                                                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Technical measures (e.g. Local and general ventilation):</b> | 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. |
| <b>Safe handling advice:</b>                                    | Do not get in eyes. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing.                                                                                                       |
| <b>Contact avoidance measures:</b>                              | No data available.                                                                                                                                                                                           |
| <b>Hygiene measures:</b>                                        | Do not get in eyes. Observe good industrial hygiene practices. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin.                                               |

**Storage**

|                                  |                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------|
| <b>Safe storage conditions:</b>  | Store away from incompatible materials. Store in original tightly closed container. |
| <b>Safe packaging materials:</b> | No data available.                                                                  |

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.  
None of the components have assigned exposure limits.

**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 (PPE)**

**Eye/face protection:** Wear a full-face respirator, if needed. Wear safety glasses with side shields (or goggles) and a face shield.

**Skin Protection**

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

**Skin and Body Protection:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

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|                                |                                                                                                                                                                      |
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| <b>Respiratory Protection:</b> | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.                                                                        |
| <b>Hygiene measures:</b>       | Do not get in eyes. Observe good industrial hygiene practices.<br>Contaminated work clothing should not be allowed out of the workplace.<br>Avoid contact with skin. |

## 9. Physical and chemical properties

### Appearance

|                                                              |                                                                                             |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Physical state:</b>                                       | liquid                                                                                      |
| <b>Form:</b>                                                 | liquid                                                                                      |
| <b>Color:</b>                                                | Milky white                                                                                 |
| <b>Odor:</b>                                                 | Mild                                                                                        |
| <b>Odor threshold:</b>                                       | No data available.                                                                          |
| <b>pH:</b>                                                   | 8.5                                                                                         |
| <b>Melting point/freezing point:</b>                         | No data available.                                                                          |
| <b>Initial boiling point and boiling range:</b>              | No data available.                                                                          |
| <b>Flash Point:</b>                                          | No data available.                                                                          |
| <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>                                     | 0.99                                                                                        |
| <b>Solubility(ies)</b>                                       |                                                                                             |
| <b>Solubility in water:</b>                                  | Soluble                                                                                     |
| <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.                          |

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|                                          |                                                                                                 |
|------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Conditions to avoid:</b>              | Avoid heat or contamination.                                                                    |
| <b>Incompatible Materials:</b>           | Strong acids. Strong bases.                                                                     |
| <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> | Causes mild skin irritation. May cause an allergic skin reaction.                             |
| <b>Eye contact:</b>  | Causes serious eye damage.                                                                    |
| <b>Ingestion:</b>    | May be ingested by accident. Ingestion may cause irritation and malaise.                      |

### 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)

##### Oral Product:

|                                |                                 |
|--------------------------------|---------------------------------|
| <b>Specified substance(s):</b> |                                 |
| Octyl(triethoxy)silane         | LD 50 (Rat): $\geq$ 5,110 mg/kg |
| Octamethylcyclotetrasiloxane   | LD 50 (Rat): > 4,800 mg/kg      |
| 3(2H)-Isothiazolone, 2-methyl- | LD 50 (Rat): 120 mg/kg          |

##### Dermal Product:

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**Specified substance(s):**  
Octyl(triethoxy)silane LD 50 (Rabbit): 6,730 mg/kg

Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,000 mg/kg

3(2H)-Isothiazolone, 2-methyl- LD 50 (Rat): 242 mg/kg

**Inhalation  
Product:**

**Specified substance(s):**  
Octamethylcyclotetrasiloxane LC 50 (Rat): 36 mg/l

3(2H)-Isothiazolone, 2-methyl- LC 50 (Rat): 0.1 mg/l

**Repeated dose toxicity  
Product:**

No data available.

**Skin Corrosion/Irritation  
Product:**

No data available.

**Specified substance(s):**  
Octyl(triethoxy)silane in vivo (Rabbit): Category 2 , 1 - 72 h  
Octamethylcyclotetrasiloxane in vivo (Rabbit): Not Classified , 24 - 72 h  
3(2H)-Isothiazolone, 2-methyl- in vivo (Rabbit): Category 1B , 24 - 72 h

**Serious Eye Damage/Eye Irritation  
Product:**

No data available.

**Respiratory or Skin Sensitization  
Product:**

No data available.

**Carcinogenicity  
Product:**

No data available.

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**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 1910.1001-1053), as amended:**

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.

**Specified substance(s):**

3(2H)-Isothiazolone, 2-methyl-  
LC 50 (Zebra Fish, 96 h): > 150 mg/l  
LC 50 (Oncorhynchus mykiss, 96 h): 4.77 mg/l

**Aquatic Invertebrates**

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**Product:** No data available.

**Specified substance(s):**  
3(2H)-Isothiazolone, 2-methyl- EC 50 (Daphnia magna, 48 h): 0.87 mg/l  
EC 50 (Daphnia magna, 48 h): 1.6 mg/l Experimental result, Key study

#### Chronic hazards to the aquatic environment:

##### Fish

**Product:** No data available.

**Specified substance(s):**  
Octyl(triethoxy)silane NOEL (Pimephales promelas): 0.036 mg/l experimental result

Octamethylcyclotetrasiloxane NOEL (Oncorhynchus mykiss):  $\geq 4.4 \mu\text{g/l}$  experimental result

3(2H)-Isothiazolone, 2-methyl- NOEL (Pimephales promelas): 2.1 mg/l experimental result

##### Aquatic Invertebrates

**Product:** No data available.

**Specified substance(s):**  
3(2H)-Isothiazolone, 2-methyl- NOEC (Daphnia magna): 0.044 mg/l experimental result Experimental result, Key study

##### Toxicity to Aquatic Plants

**Product:** No data available.

#### Persistence and Degradability

##### Biodegradation

**Product:** No data available.

**Specified substance(s):**  
Octyl(triethoxy)silane 31.5 % (28 d) Detected in water. Experimental result, Key study

Octamethylcyclotetrasiloxane 3.7 % (29 d) Detected in water. Experimental result, Key study

3(2H)-Isothiazolone, 2-methyl- 54.35 % (0.25 d) Sediment Experimental result, Key study

##### BOD/COD Ratio

**Product:** No data available.

##### Bioaccumulative potential

##### Bioconcentration Factor (BCF)

**Product:** No data available.

##### Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

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**Specified substance(s):**  
Octamethylcyclotetrasiloxane      Log Kow: 5.10

**Mobility in soil:**      No data available.

**Other adverse effects:**      Harmful to aquatic life with long lasting effects.

### 13. Disposal considerations

**Disposal methods:**      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. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721 and 725, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended**

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

None present or none present in regulated quantities.

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

#### Hazard categories

Immediate (Acute) Health Hazards  
Delayed (Chronic) Health Hazard  
Serious eye damage or eye irritation  
Respiratory or Skin Sensitization  
Reproductive toxicity

#### US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

Not Regulated.

#### US. EPCRA (SARA Title III) Section 313 Toxic Chemical Release Inventory (TRI) Reporting

Not Regulated.

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

None present or none present in regulated quantities.

#### 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 requiring a warning under CA Prop 65.

### 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) : 16 g/l

VOC Method 310 : 1.58 %

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Revision Date: 04/08/2026**Inventory Status:**

|                                           |                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| Australia Industrial Chem. Act (AIC):     | 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. |
| Ontario Inventory:                        | 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. |
| Japan (ENCS) List:                        | 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. |
| Philippines PICCS:                        | 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. |
| US TSCA Inventory:                        | All components in this product are listed on or exempt from the Inventory.             |
| Switzerland New Subs Notified/Registered: | One or more components in this product are not listed on or exempt from the Inventory. |
| Thailand DIW Existing Chemical Inv.       | One or more components in this                                                         |

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|                                       |                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------|
| List:                                 | product are not listed on or exempt from the Inventory.                                |
| Vietnam National Chemical Inventory:  | One or more components in this product are not listed on or exempt from the Inventory. |
| EC Inventory:                         | 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. |
| Korea Existing Chemicals Inv. (KECI): | 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. |

#### 16. Other information, including date of preparation or last revision

|                             |                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Revision Date:</b>       | 04/08/2026                                                                                                                                                                                                                                                                                        |
| <b>Version #:</b>           | 2.0                                                                                                                                                                                                                                                                                               |
| <b>Further Information:</b> | No data available.                                                                                                                                                                                                                                                                                |
| <b>Disclaimer:</b>          | 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. |

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