



## Bravo 1500+ UHS Floor Stripper

Version Number: 2

Preparation date: 2016-08-23

### 1. IDENTIFICATION

**Product name:** Bravo 1500+ UHS Floor Stripper  
**Product Code:** 95594995  
**SDS #:** MS0800128  
**Recommended use:**

- Industrial/Institutional
- Floor stripper
- This product is intended to be diluted prior to use

**Uses advised against:** Uses other than those identified are not recommended

|                                                                                                                                                                                                                                                     |                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer, importer, supplier:</b><br>US Headquarters<br>Diversey, Inc.<br>2415 Cascade Pointe Blvd.<br>Charlotte, NC 28208<br>Phone: 1-888-352-2249<br>SDS Internet Address: <a href="https://sds.diversey.com">https://sds.diversey.com</a> | Canadian Headquarters<br>Diversey Canada, Inc.<br>3755 Laird Road Units 8-11<br>Mississauga, Ontario L5L 0B3<br>Phone: 1-800-668-7171 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

|                                                  |             |
|--------------------------------------------------|-------------|
| Skin corrosion/irritation                        | Category 1B |
| Serious eye damage/eye irritation                | Category 1  |
| Specific target organ toxicity (single exposure) | Category 3  |

**Signal Word:****Danger.**

#### Hazard and Precautionary Statements

##### **CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.**

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Do not breathe vapors. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. 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 for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Store in a well-ventilated place. Keep container tightly closed. Dispose of in accordance with all federal, state and local applicable regulations.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

**Physical hazards not otherwise classified (PHNOC)** - Not applicable

**Classification for the diluted product @ 1:4**

Bravo 1500+ UHS Floor Stripper

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Skin corrosion/irritation  
Serious eye damage/eye irritation

Category 2  
Category 2A



**Dilution Signal word:**

Warning.

#### **Hazard and Precautionary Statements**

##### **CAUSES SKIN AND SERIOUS EYE IRRITATION.**

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Dispose of in accordance with all federal, state and local applicable regulations.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Classified Ingredients**

| <b>Ingredient(s)</b>          | <b>CAS #</b> | <b>Weight %</b> |
|-------------------------------|--------------|-----------------|
| Monoethanolamine              | 141-43-5     | 10 - 20%        |
| Benzyl alcohol                | 100-51-6     | 5 - 10%         |
| Diethylene glycol butyl ether | 112-34-5     | 1 - < 3%        |

\*Exact percentages are being withheld as trade secret information

### **4. FIRST AID MEASURES**

#### **Undiluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

**Skin:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

**Most Important Symptoms/Effects:** No information available.

**Immediate medical attention and special treatment needed:** Not applicable.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

#### **Diluted Product:**

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention

**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention

**Inhalation:** No specific first aid measures are required

**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

### **5. FIRE-FIGHTING MEASURES**

**Specific methods:**

No special methods required

**Suitable extinguishing media:**

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

**Specific hazards:**

Not applicable.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Extinguishing media which must not be used for safety reasons:** No information available.

### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**  
**Environmental precautions**  
**and clean-up methods:**

Put on appropriate personal protective equipment (see Section 8.).  
Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

**Aerosol Level (if applicable) :** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

| <b>Ingredient(s)</b>          | <b>CAS #</b> | <b>ACGIH</b>                | <b>OSHA</b>                              |
|-------------------------------|--------------|-----------------------------|------------------------------------------|
| Monoethanolamine              | 141-43-5     | 6 ppm (STEL)<br>3 ppm (TWA) | 3 ppm (TWA)<br>6 mg/m <sup>3</sup> (TWA) |
| Benzyl alcohol                | 100-51-6     | -                           | -                                        |
| Diethylene glycol butyl ether | 112-34-5     | 10 ppm (TWA)                | -                                        |

### Undiluted Product:

#### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

#### Personal Protective Equipment

##### Eye protection:

Chemical-splash goggles.

##### Hand protection:

Chemical-resistant gloves.

##### Skin and body protection:

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

##### Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

##### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

### Diluted Product:

#### Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels

##### Eye protection:

No personal protective equipment required under normal use conditions.

##### Hand protection:

No personal protective equipment required under normal use conditions.

##### Skin and body protection:

No personal protective equipment required under normal use conditions.

##### Respiratory protection:

No personal protective equipment required under normal use conditions.

##### Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Solubility in other solvents:** No information available

**Density:** 8.5 lbs/gal 1.019 Kg/L

**Bulk density:** No information available

**Flash point (°F):** > 200 °F > 93.3 °C

**Viscosity:** No information available

**VOC:** 10.71 % \*

**Flammability (Solid or Gas):** Not applicable

**Sustained combustion:** Not applicable

**Explosion limits:** - upper: Not determined - lower: Not determined

@ 1:4 11.45 > 200 °F > 93.3 °C

**Color:** Clear, Straw

**Odor:** Solvent Solvent

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined Not applicable

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.019

**Vapor density:** No information available

**Vapor pressure:** No information available.

**Partition coefficient (n-octanol/water):** No information available

**Elemental Phosphorus:** 0.00 % by wt.

**pH:** 12.1

**Corrosion to metals:** Not corrosive

**VOC % by wt. at use dilution** 2.14

## 10. STABILITY AND REACTIVITY

|                                          |                                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Reactivity:</b>                       | Not Applicable                                                                        |
| <b>Stability:</b>                        | The product is stable                                                                 |
| <b>Hazardous decomposition products:</b> | None reasonably foreseeable.                                                          |
| <b>Materials to avoid:</b>               | Do not mix with any other product or chemical unless specified in the use directions. |
| <b>Conditions to avoid:</b>              | No information available.                                                             |

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure:**

Eye contact, Skin contact, Inhalation, Ingestion

### **Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**

**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

**Sensitization:** No known effects.

**Target Organs (SE):** Exposure to some of the chemicals in this product may cause damage to the respiratory system

**Target Organs (RE):** None known

### **Numerical measures of toxicity**

**ATE - Oral (mg/kg):** >5000

**ATE - Dermal (mg/kg):** >5000

**ATE - Inhalatory, mists (mg/l):** 14

**ATE - Inhalatory, vapors (mg/l):** >50

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products (undiluted product):** This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations. This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**Waste from residues / unused products (diluted product):** This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

**RCRA Hazard Class (undiluted product):** Not Regulated

**RCRA Hazard Class (diluted product):** Not Regulated

**Contaminated Packaging:** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**DOT (Ground) Bill of Lading Description:** UN2491, ETHANOLAMINE SOLUTIONS, 8, III

**IMDG (Ocean) Bill of Lading Description:** UN2491, ETHANOLAMINE SOLUTIONS, 8, III

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

### RIGHT TO KNOW (RTK)

| Ingredient(s)                 | CAS #      | MARTK: | NJRTK: | PARTK: | RIRTK: |
|-------------------------------|------------|--------|--------|--------|--------|
| Water                         | 7732-18-5  | -      | -      | -      | -      |
| Monoethanolamine              | 141-43-5   | X      | X      | X      | -      |
| Benzyl alcohol                | 100-51-6   | X      | -      | X      | -      |
| Diethylene glycol butyl ether | 112-34-5   | -      | X      | -      | -      |
| Alcohol ethoxylates           | 68439-46-3 | -      | -      | -      | -      |

### CERCLA/ SARA

| Ingredient(s)                 | CAS #    | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|-------------------------------|----------|----------|----------------------|-----------------------|-------------|
| Diethylene glycol butyl ether | 112-34-5 | 1 - < 3% |                      |                       | X           |

| Ingredient(s)                 | CAA HAP | CAA ODS | CWA Priority Pollutants |
|-------------------------------|---------|---------|-------------------------|
| Diethylene glycol butyl ether | X       |         |                         |

### Canadian Regulations

| Ingredient(s)                 | CAS #    | NPRI |
|-------------------------------|----------|------|
| Diethylene glycol butyl ether | 112-34-5 | X    |

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 0

Instability 0

### Diluted Product:

Version Number: 2

Preparation date: 2016-08-23

Reason for revision:

Not applicable

Prepared by:

NAPRAC

Additional advice:

• Does not contain an added fragrance

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