



### BRAVO 1500+ UHS Floor Stripper

| HMIS                          |   | NFPA | Personal protective equipment |
|-------------------------------|---|------|-------------------------------|
| Health                        | 3 | 3    |                               |
| Flammability                  | 0 | 0    |                               |
| Physical Hazard / Instability | 0 | 0    |                               |

Version Number: 3

Preparation date: 2014-05-29

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** BRAVO 1500+ UHS Floor Stripper

**MSDS #:** MS0300876

**Product Code:** 5594995

**Recommended use:**

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

**Manufacturer, importer, supplier:**

|  |   |
|--|---|
| US Headquarters<br>Diversey, Inc.<br>8310 16th St.<br>Sturtevant, Wisconsin 53177-1964<br>Phone: 1-888-352-2249<br>MSDS Internet Address: www.diversey.com | Canadian Headquarters<br>Diversey, Inc. - Canada<br>2401 Bristol Circle<br>Oakville, Ontario L6H 6P1<br>Phone: 1-800-668-3131 |
|--|---|

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

#### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED.

**Principal routes of exposure:** Eye contact. Skin contact. Inhalation.

**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.

**Skin contact:** Corrosive. Causes permanent damage.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient(s)                 | CAS #    | Weight % | LD50 Oral - Rat (mg/kg) | LD50 Dermal - Rabbit | LC50 Inhalation - Rat |
|-------------------------------|----------|----------|-------------------------|----------------------|-----------------------|
| Monoethanolamine              | 141-43-5 | 10 - 20% | 1515                    | =1 mL/kg             | Not available         |
| Benzyl alcohol                | 100-51-6 | 5 - 10%  | 1230                    | =2 g/kg              | =8.8 mg/L (4 h)       |
| Diethylene glycol butyl ether | 112-34-5 | 1 - 5%   | 4500                    | =2700 mg/kg          | Not available         |

#### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Immediately flush with plenty of water for 15-20 minutes. Get medical attention immediately.

**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.

**Ingestion:** If swallowed, rinse mouth. Give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

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

**Specific hazards:** Not applicable.

**Unusual hazards:** None known.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).

**Environmental precautions and clean-up methods:** No information available.

**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.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**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.

| Ingredient(s)                 | CAS #    | ACGIH                       | OSHA                                     | Mexico  |
|-------------------------------|----------|-----------------------------|--|---|
| Monoethanolamine              | 141-43-5 | 6 ppm (STEL)<br>3 ppm (TWA) | 3 ppm (TWA)<br>6 mg/m <sup>3</sup> (TWA) | 6 ppm (STEL)<br>15 mg/m <sup>3</sup> (STEL)<br>3 ppm (TWA)<br>8 mg/m <sup>3</sup> (TWA) |
| Diethylene glycol butyl ether | 112-34-5 | 10 ppm (TWA)                |  |   |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid

**Appearance:** Aqueous solution

**Specific gravity:** 1.016

**Vapor density:** No information available

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

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

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

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

**pH:** 12.1

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

**Bulk density:** No information available

**Evaporation Rate:** No information available

**Color:** Clear, Straw

**Odor:** Solvent Solvent

**Melting point/range:** Not determined

**Autoignition temperature:** No information available

**Density:** 8.47 lbs/gal 1.016 Kg/L

**Flash point:** > 200 °F > 93.3 °C

**Viscosity:** No information available

**VOC:** 11.25 % \*

**Dilution pH:** 11.45 @ 1:4

\* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable  
**Polymerization:** Hazardous polymerization does not occur.  
**Hazardous decomposition products:** None reasonably foreseeable.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Corrosive. Oral LD50 estimated to be between 4000 - 5000 mg/kg; Dermal LD50 estimated to be > 2000 mg/kg  
**Component Information:** See Section 3.  
**Chronic toxicity:** None known  
**Specific effects**  
**Carcinogenic effects:** • None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available.

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products:

This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). 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.

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

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

**DOT (Ground) Bill of Lading Description:** UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S., (ethanolamine, benzyl alcohol), 8, III

**IMDG (Ocean) Bill of Lading Description:** Same as DOT above.

## 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).

### U.S. Regulations

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

### 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      | -      |
| Sodium xylene sulfonate       | 1300-72-7 | -      | -      | -      | -      |
| Diethylene glycol butyl ether | 112-34-5  | -      | X      | -      | -      |

### CERCLA/ SARA

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

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

**SARA 311/312 Hazard Categories**

**Immediate:** X  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -  
**Sudden Release of Pressure:** -

**Canada**

WHMIS hazard class: E Corrosive material.



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

**16. OTHER INFORMATION**

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:**

- Does not contain an added fragrance
- This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

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