



## Suma Diverpak Hard Water Powder Detergent

Version Number: 1

Preparation date: 2014-06-27

### 1. IDENTIFICATION

**Product name:** Suma Diverpak Hard Water Powder Detergent  
**Product Code:** 95906928  
**SDS #:** MS0800167  
**Recommended use:**

- Industrial/Institutional
- Professional kitchen hygiene product
- This product is intended to be diluted prior to use

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

**Manufacturer, importer, supplier:**

US Headquarters Diversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-1964 Phone: 1-888-352-2249 MSDS Internet Address: www.diversey.com	Canadian Headquarters Diversey, Inc. - Canada 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131
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**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1



**Signal Word:** Danger

#### Precautionary Statements

##### **CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.**

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Do not breathe dust. Wash affected areas thoroughly after handling. 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. 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. Wash contaminated clothing before reuse. 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 @ 1:333**

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

**Precautionary Statements**

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Sodium hydroxide	1310-73-2	40 - 50%
Sodium carbonate	497-19-8	30 - 40%
Tetrasodium salt of EDTA	64-02-8	20 - 30%
Sodium polyacrylate	9003-04-7	3% - < 5%
Alkyl polyalkoxy glycol	68154-99-4	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.

**Diluted Product:**

**Eyes:** Rinse with plenty of water If irritation occurs and persists, get medical attention

**Skin:** Rinse with plenty of water If irritation occurs and persists, get medical attention

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

**Ingestion:** Rinse mouth with water.

**5. FIRE-FIGHTING MEASURES**

**Specific methods:** No special methods required

**Suitable extinguishing media:** Not applicable.

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

**Environmental precautions and clean-up methods:** 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 breathe dust. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.

Aerosol Level (if applicable) : Not applicable

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

Ingredient(s)	CAS #	ACGIH	OSHA
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (TWA)
Sodium carbonate	497-19-8	-	-
Tetrasodium salt of EDTA	64-02-8	-	-
Sodium polyacrylate	9003-04-7	-	-
Modified polyalkoxylate	Proprietary	-	-

**Undiluted Product:**

**Engineering measures to reduce exposure:**

No special ventilation requirements

**Personal Protective Equipment**

- Eye protection:** Chemical-splash goggles.
- Hand protection:** Chemical-resistant gloves.
- Skin and body protection:** Protective footwear.
- Respiratory protection:** No special requirements under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

**Personal Protective Equipment**

- Eye protection:** No special requirements under normal use conditions.
- Hand protection:** No special requirements under normal use conditions.
- Skin and body protection:** No special requirements under normal use conditions.
- Respiratory protection:** No special requirements under normal use conditions.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

- |  |  |
|--|--|
| <b>Physical State:</b> Powder  | <b>Color:</b> NA White   |
| <b>Evaporation Rate:</b> No information available                        | <b>Odor:</b> Characteristic  |
| <b>Odor threshold:</b> No information available.                         | <b>Boiling point/range:</b> Not determined                               |
| <b>Melting point/range:</b> Not determined                               | <b>Decomposition temperature:</b> Not determined                         |
| <b>Autoignition temperature:</b> No information available                | <b>Solubility:</b> Completely Soluble                                    |
| <b>Solubility in other solvents:</b> No information available            | <b>Relative Density (relative to water):</b> 1.17                        |
| <b>Density:</b> 9.76 lbs/gal 1.17 Kg/L                                   | <b>Vapor density:</b> No information available                           |
| <b>Bulk density:</b> No information available                            | <b>Vapor pressure:</b> No information available.                         |
| <b>Flash point:</b> Not applicable                                       | <b>Partition coefficient (n-octanol/water):</b> No information available |
| <b>Dilution Flash Point:</b> Not applicable                              | <b>Viscosity:</b> No information available                               |
| <b>Elemental Phosphorus:</b> 0.00 % by wt.                               | <b>VOC:</b> 0 % *  |
| <b>pH:</b> No information available                                      | <b>VOC % by wt. at use dilution</b> 0 % *                                |
| <b>Dilution pH:</b> 12.24 @ 1:333  | <b>Flammability (Solid or Gas):</b> Not applicable                       |
| <b>Metal Corrosion:</b> Not determined                                   |  |
| <b>Explosion limits:</b> - upper: Not determined - lower: Not determined |  |

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

## 10. STABILITY AND REACTIVITY

- Reactivity:** Not Applicable
- Stability:** The product is stable
- Hazardous decomposition products:** None reasonably foreseeable.
- Materials to avoid:** None known.
- Conditions to avoid:** No information available.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**

Skin contact, Inhalation, Ingestion, Eye contact

**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.

**Numerical measures of toxicity**

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

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

**ATE - Inhalatory, mists (mg/l):** 6.5

**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:** 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.

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

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

**RCRA Hazard Class (diluted 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:** UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II

**IMDG (Ocean) Bill of Lading Description:** UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II

**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:
Sodium hydroxide	1310-73-2	X	X	X	X
Sodium carbonate	497-19-8	-	-	-	-
Tetrasodium salt of EDTA	64-02-8	-	-	-	-

Sodium polyacrylate	9003-04-7	-	-	-	-
Modified polyalkoxylate	Proprietary	-	-	-	-

**CERCLA/ SARA**

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	40 - 50%	1000		

**SARA 311/312 Hazard Categories**

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

**Canada**

**16. OTHER INFORMATION**

**NFPA**

**Health** 3  
**Flammability** 0  
**Instability** 0

**Version Number:** 1  
**Preparation date:** 2014-06-27

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Does not contain an added fragrance

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