



## SUMA ALUPAK II Aluminum Safe Dishmachine Detergent

Revision: 2021-02-23

Version: 08.1

### 1. IDENTIFICATION

**Product name:** SUMA ALUPAK II  
Aluminum Safe Dishmachine Detergent

**SDS #:** MS0800708

**Recommended use:**

- Industrial/Institutional
- ALUMINUM SAFE DETERGENT
- 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<br>Diversey, Inc.<br>1300 Altura Rd., Suite 125<br>Fort Mill, SC 29708<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>6150 Kennedy Road Unit 3<br>Mississauga, Ontario L5T 2J4<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 Statements

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

#### Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Do not breathe dust. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear protective gloves, protective clothing and eye or face protection. 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** 1:100

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

**Hazard and Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Classified Ingredients**

| Ingredient(s)               | CAS #     | Weight % |
|-----------------------------|-----------|----------|
| Disodium metasilicate       | 6834-92-0 | 30 - 60% |
| Sodium carbonate            | 497-19-8  | 10 - 30% |
| Sodium dichloroisocyanurate | 2893-78-9 | 1 - 5%   |
| Tetrasodium pyrophosphate   | 7722-88-5 | 1 - 5%   |

**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. Wash with plenty of 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.

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

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

**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

**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:** Corrosive material (See sections 8 and 10).

**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. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Prevent product from entering drains. Water runoff can cause environmental damage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

**7. HANDLING AND STORAGE**

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

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Undiluted Product:**

#### **Engineering measures to reduce exposure:**

Good general ventilation should be sufficient to control airborne levels.

#### **Personal Protective Equipment**

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

|                                  |   |
|----------------------------------|---|
| <b>Eye protection:</b>           | Chemical-splash goggles.  |
| <b>Hand protection:</b>          | Chemical-resistant gloves.  |
| <b>Skin and body protection:</b> | Protective footwear. Wear suitable protective clothing.   |
| <b>Respiratory protection:</b>   | No personal protective equipment required under normal use conditions. If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. |
| <b>Hygiene measures:</b>         | 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.

#### **Personal Protective Equipment**

|                                  |  |
|----------------------------------|--|
| <b>Eye protection:</b>           | No personal protective equipment required under normal use conditions. |
| <b>Hand protection:</b>          | No personal protective equipment required under normal use conditions. |
| <b>Skin and body protection:</b> | No personal protective equipment required under normal use conditions. |
| <b>Respiratory protection:</b>   | No personal protective equipment required under normal use conditions. |
| <b>Hygiene measures:</b>         | Handle in accordance with good industrial hygiene and safety practice. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |   |
|---|---|
| <b>Physical State:</b> Powder   | <b>Color:</b> Opaque , White                                  |
| <b>Evaporation Rate:</b> No information available                               | <b>Odor:</b> Chlorine   |
| <b>Odor threshold:</b> No information available.                                | <b>Boiling 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> 1.14                               | <b>Density:</b> 1.137 Kg/L                                    |
| <b>Vapor density:</b> No information available                                  | <b>Bulk density:</b> 1.137                                    |
| <b>Vapor pressure:</b> No information available.                                | <b>Flash point (°F):</b> > 200 °F > 93 °C                     |
| <b>Partition coefficient (n-octanol/water):</b> No information available        | <b>Viscosity:</b> No information available                    |
| <b>Elemental Phosphorus:</b> 8.60 % by wt.                                      | <b>VOC:</b> 0 % *   |
| <b>pH:</b> Not applicable   | <b>Flammability (Solid or Gas):</b> Not applicable            |
| <b>Sustained combustion:</b> Not applicable                                     |   |
| <b>Explosion limits: - upper:</b> Not determined - <b>lower:</b> Not determined |   |

#### **Dilution pH:**

> 11

**Dilution Flash Point (°F):** > 200 > 93.3

**VOC % by wt. at use dilution:** 0 %

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

## 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>              | None known.   |

## 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.

**Target Organs (SE):** No information available

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

### Numerical measures of toxicity

**ATE - Oral (mg/kg):** 1800

## 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):** Not applicable.

**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/TDG/IMDG:** The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

**DOT (Ground) Bill of Lading Description:** UN3253, DISODIUM TRIOXOSILICATE, 8, III

**IMDG (Ocean) Bill of Lading Description:** UN3253, DISODIUM TRIOXOSILICATE, 8, III

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

TSCA All components are listed or otherwise exempt

**RIGHT TO KNOW (RTK)**

| Ingredient(s)               | CAS #     | MARTK: | NJRTK: | PARTK: | RIRTK: |
|-----------------------------|-----------|--------|--------|--------|--------|
| Disodium metasilicate       | 6834-92-0 | -      | -      | -      | -      |
| Sodium tripolyphosphate     | 7758-29-4 | X      | -      | X      | -      |
| Sodium carbonate            | 497-19-8  | -      | -      | -      | -      |
| Sodium dichloroisocyanurate | 2893-78-9 | X      | X      | X      | -      |
| Tetrasodium pyrophosphate   | 7722-88-5 | X      | X      | X      | -      |

**CERCLA/ SARA**

**16. OTHER INFORMATION**

**NFPA (National Fire Protection Association)**  
 Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

**Health** 3  
**Flammability** 0  
**Instability** 0  
**Special Hazards** -

**Diluted Product:**

**Health** 0  
**Flammability** 0  
**Instability** 0  
**Special Hazards** -

**Revision:** 2021-02-23  
**Version:** 08.1

**Reason for revision:** Not applicable  
**Prepared by:** North American Regulatory Affairs  
**Additional advice:** • Does not contain an added fragrance

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