



## Suma® ProFresh D4.2 Antimicrobial Fruit & Vegetable Wash

Revision: 2024-07-31

Version: 01.0

### 1. IDENTIFICATION

**Product name:** Suma® ProFresh D4.2  
Antimicrobial Fruit & Vegetable Wash  
MS0801753

**SDS #:**

**Recommended use:**

- Food Processing
- This product is intended to be diluted prior to use
- Industrial/Institutional

**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

Organic peroxides, Type F  
Flammable liquids, Category 4  
Skin corrosion, Category 1A  
Serious eye damage, Category 1  
Acute toxicity, inhalation, Category 4  
Acute toxicity, oral, Category 4  
Specific target organ toxicity (single exposure), Category 3

Signal word:

Danger.

#### Hazard Statements

**HARMFUL IF SWALLOWED OR IF INHALED. COMBUSTIBLE LIQUID. HEATING MAY CAUSE A FIRE. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION.**

#### Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Do not breathe vapors. 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 locked up. Keep cool. Protect from sunlight. Store in a well-ventilated place. Store away from other materials. Store separately. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Mix only with water. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in splattering and excessive heat.

Health hazards not otherwise classified (HHNOC) - Not applicable

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

**Classification for the diluted product** 1:2300

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 % |
|-------------------|-----------|----------|
| Hydrogen peroxide | 7722-84-1 | 10 - 30% |
| Peracetic acid    | 79-21-0   | 10 - 30% |
| Acetic acid       | 64-19-7   | 10 - 30% |

### 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:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**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:** Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. May vigorously react with strong alkaline products resulting in spattering and excessive heat. Can react to release hazardous gases. Do not mix with other products or chemicals except as directed on the label. COMBUSTIBLE LIQUID. Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating or lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. 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:** Store in a well-ventilated place. Keep cool. Store locked up. Store in a cool, dry place, isolated from all organic material. Avoid heat and direct sunlight. Keep container closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

| Ingredient(s)     | ACGIH                         | OSHA                                       |
|-------------------|-------------------------------|--|
| Hydrogen peroxide | 1 ppm (TWA)                   | 1 ppm (TWA)<br>1.4 mg/m <sup>3</sup> (TWA) |
| Peracetic acid    | 0.4 ppm (STEL)                | -  |
| Acetic acid       | 15 ppm (STEL)<br>10 ppm (TWA) | 10 ppm (TWA)<br>25 mg/m <sup>3</sup> (TWA) |

### 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>   | 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. |
| <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

**Physical State** Liquid

**Evaporation Rate:** No information available

**Odor threshold:** No information available.

**Melting point/freezing point (°C):** Not determined

**Autoignition temperature:** No information available

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

**Density:** 1.15 Kg/L

**Bulk density:** No information available

**Flash point (°F):** 167°F ≈ 75 °C

**Kinematic viscosity** mPa.s

10

**VOC:** 31.3 % \*

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

**Sustained combustion:** Not applicable

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

**Color:** Clear , Colorless

**Odor:** Pungent

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.15

**Vapor density:** No information available

**Vapor pressure:** No information available.

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

**Elemental Phosphorus:** 0.27 % by wt.

**pH:** < 2

**Corrosion to metals:** Not corrosive to metals

**Dilution pH:** ≈ 4.1

**Dilution Flash Point (°F):** > 200 °F > 93.4 °C  
**VOC % by wt. at use dilution:** 0.01 %

\* - 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>Possibility of hazardous reactions:</b> | May vigorously react with strong alkaline products resulting in spattering and excessive heat.  |
| <b>Hazardous decomposition products:</b>   | None reasonably foreseeable.  |
| <b>Materials to avoid:</b>                 | Strong bases. Ammonia. Do not mix with chlorinated products (such as bleach). 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. Symptoms may include vomiting, nausea, and/or feeling of general unwellness. Harmful if swallowed.

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

**Sensitization:** No known effects.

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

**Target Organs (RE):**

### Numerical measures of toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available.

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

**Bioaccumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products (undiluted product):** This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261). 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). 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):** D001 Ignitable Waste D002 Corrosive Waste

**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:** UN3109, ORGANIC PEROXIDE TYPE F, LIQUID, ( $\leq 25\%$  peracetic acid with  $\leq 26\%$  hydrogen peroxide), 5.2 (8)

**IMDG (Ocean) Bill of Lading Description:** UN3109, ORGANIC PEROXIDE TYPE F, LIQUID, MARINE POLLUTANT ( $\leq 25\%$  peracetic acid with  $\leq 26\%$  hydrogen peroxide), 5.2 (8)

## 15. REGULATORY INFORMATION

### International Inventories at CAS# Level

TSCA

All components are listed or otherwise exempt

DSL

All components are listed or otherwise exempt

### US RIGHT TO KNOW (RTK)

| Ingredient(s)                       | CAS #     | MARTK: | NJRTK: | PARTK: | RIRTK: |
|-------------------------------------|-----------|--------|--------|--------|--------|
| Water                               | 7732-18-5 | -      | -      | -      | -      |
| Hydrogen peroxide                   | 7722-84-1 | X      | X      | X      | X      |
| Peracetic acid                      | 79-21-0   | X      | X      | X      | X      |
| Acetic acid                         | 64-19-7   | X      | X      | X      | X      |
| Hydroxyethylidene diphosphonic acid | 2809-21-4 | -      | -      | -      | -      |

### CERCLA/ SARA

| Ingredient(s)     | CAS #     | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|-------------------|-----------|----------|----------------------|-----------------------|-------------|
| Hydrogen peroxide | 7722-84-1 | 10 - 30% |                      | 1000                  |             |
| Peracetic acid    | 79-21-0   | 10 - 30% |                      | 500                   | X           |
| Acetic acid       | 64-19-7   | 10 - 30% | 5000                 |                       |             |

### Canadian Regulations

| Ingredient(s)  | CAS #   | NPRI |
|----------------|---------|------|
| Peracetic acid | 79-21-0 | X    |

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

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

Health 3

Flammability 2

Instability 1

Special Hazards Oxy

### Diluted Product:

Health 0

Flammability 0

Instability 0

Special Hazards -

Revision: 2024-07-31

Version: 01.0

|                             |                                       |
|-----------------------------|---------------------------------------|
| <b>Reason for revision:</b> | Not applicable                        |
| <b>Prepared by:</b>         | North American Regulatory Affairs     |
| <b>Additional advice:</b>   | • Does not contain an added fragrance |

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