



SUMA REVOFLOW Metal Safe Mechanical Warewash Detergent

Revision: 2024-07-31

Version: 01.0

1. IDENTIFICATION

Product name: SUMA REVOFLOW Metal Safe Mechanical Warewash Detergent
SDS #: MS0800927
Recommended use:

- Industrial/Institutional
- Warewashing 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.
 1300 Altura Rd., Suite 125
 Fort Mill, SC 29708
 Phone: 1-888-352-2249
 SDS Internet Address: <https://sds.diversey.com>

Canadian Headquarters
 Diversey Canada, Inc.
 6150 Kennedy Road Unit 3
 Mississauga, Ontario L5T 2J4
 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, Category 1B
 Specific target organ toxicity (single exposure), Category 3
 Serious eye damage, Category 1



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. Avoid contact with eyes, skin and clothing. Do not breathe dust. 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. SUPPLEMENTAL INFORMATION: Material can decompose releasing oxygen when damp or exposed to storage conditions greater than 120°F (49°C). See Sections 5 and 7. Do not mix with other products or chemicals except as directed on the label.

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%

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.

Notes to physician: Treat symptomatically.

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: 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:

Flood with water.

Specific hazards:

Material can decompose releasing oxygen when damp or exposed to storage conditions greater than 120°F (49°C). Decomposition releases oxygen, which may intensify fire.

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: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

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

Environmental precautions and clean-up methods:

If spilled: Sweep up and place in vented container for disposal. If material is damp or wet, do not reseal container. If possible, isolate container in open air or well ventilated area. Immediately dispose of wet or damaged packages/pallets. Flood area with large volumes of water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing dust. Product residue may remain on/in empty containers. Do not mix with other products or chemicals except in the dishwashing machine as directed. Reseal container to prevent moisture contamination. Do not get water inside container. If water gets into the container, do not reseal. Remove wet product from container and properly dispose of material. (See Section 6.).

Storage: Keep tightly closed in a cool, dry, well-ventilated area out of direct sunlight. Do not store with incompatible materials such as flammable, oxidizable or acidic substances. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

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:	If major exposure is possible, wear suitable protective clothing and footwear. Protective footwear.
Respiratory protection:	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. In case of insufficient ventilation wear suitable respiratory equipment.
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.

Personal Protective Equipment

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 Solid

Evaporation Rate: No information available

Odor threshold: No information available.

Melting point/freezing point (°C):

Autoignition temperature: No information available

Solubility in other solvents: No information available

Density: 1.137 Kg/L

Bulk density: 1.137

Flash point (°F):

Kinematic viscosity No information available

VOC: 0.0 % *

Flammability (Solid or Gas): Not applicable

Sustained combustion: Not applicable

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

Color: Opaque , White

Odor: No Odor/Odorless

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Relative Density (relative to water): 1.14

Vapor density: No information available

Vapor pressure: No information available.

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

Elemental Phosphorus: 8.6 % by wt.

pH:

Corrosion to metals: Not applicable to solids or gases

Dilution pH: 12.3 (1%) > 200 °F > 93.3 °C

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

Reactivity:	Not Applicable
Stability:	Stable under recommended storage conditions Unstable at elevated temperatures and pressures
Possibility of hazardous reactions:	None known
Hazardous decomposition products:	Oxygen.
Materials to avoid:	Strong acids. Reducing agents. Flammable materials. Do not mix with chlorinated products (such as bleach).
Conditions to avoid:	Strong sunlight for prolonged periods. Prolonged exposure to heat above 120 °F (49 °C). Do not get water inside container.

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): None known

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.

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). 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). 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): Not Applicable

RCRA Hazard Class (diluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (Ground) Bill of Lading Description: LTD. QTY.

IMDG (Ocean) Bill of Lading Description: UN3253, DISODIUM TRIOXOSILICATE MIXTURE, 8, III, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories at CAS# Level

US RIGHT TO KNOW (RTK)

CERCLA/ SARA

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Canadian Regulations

16. OTHER INFORMATION

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

Health 3
Flammability 0
Instability 2
Special Hazards -

Diluted Product:

Revision: 2024-07-31
Version: 01.0

Reason for revision: Not applicable
Prepared by: North American Regulatory Affairs

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.