



## Super Dilac<sup>TM/MC</sup> Heavy duty acidic CIP detergent descaler

Revision: 2024-07-31

Version: 02.0

### 1. IDENTIFICATION

**Product name:** Super Dilac<sup>TM/MC</sup>  
Heavy duty acidic CIP detergent descaler

**SDS #:** MS0800517

**Recommended use:**

- Industrial/Institutional
- Acidic detergent descaler
- 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: <a href="https://sds.diversey.com">https://sds.diversey.com</a>	Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171
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**Emergency telephone number:** 1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Skin corrosion, Category 1A  
 Serious eye damage, Category 1  
 Acute toxicity, inhalation, Category 4  
 Corrosive to metals, Category 1



**Signal word:** Danger.

#### Hazard Statements

**CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF INHALED. MAY BE CORROSIVE TO METALS.**

#### Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Keep only in original container. Do not breathe spray. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, long chemical-resistant gloves, protective clothing and protective footwear when spraying and wiping. Do not spray towards face. 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. Absorb spillage to prevent material damage. Store in corrosive-resistant container with a resistant inner liner. 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 spattering and excessive heat.

**Health hazards not otherwise classified (HHNOC)** - Not applicable

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

#### Classification for the diluted product 1:64

Super Dilac<sup>TM/MC</sup>  
Heavy duty acidic CIP detergent descaler

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**

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Classified Ingredients**

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Weight %</b>
Nitric Acid	7697-37-2	15 - 40%
Phosphoric acid	7664-38-2	3 - 7%

### **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.

**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:** None known

**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:** None.

### **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. 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. Absorb spillage to prevent material damage. Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

**Storage:** Store in corrosive-resistant container with a resistant inner liner.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines:**

<b>Ingredient(s)</b>	<b>ACGIH</b>	<b>OSHA</b>
Nitric Acid	4 ppm (STEL) 2 ppm (TWA)	2 ppm (TWA) 5 mg/m <sup>3</sup> (TWA)
Phosphoric acid	3 mg/m <sup>3</sup> (STEL) 1 mg/m <sup>3</sup> (TWA)	1 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**

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves.
<b>Skin and body protection:</b>	If major exposure is possible, wear suitable protective clothing and footwear.
<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.

<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:** 1.28 Kg/L

**Bulk density:** No information available

**Flash point (°F):** > 200 °F > 93 °C

**Kinematic viscosity** No information available

**VOC:** 0 % \*

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

**Sustained combustion:** Not applicable

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

**Color:** Clear , Red

**Odor:** Acidic

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.28

**Vapor density:** No information available

**Vapor pressure:** No information available.

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

**Elemental Phosphorus:** 2.13 % by wt.

**pH:** ≈ 1.0

**Corrosion to metals:** Metal corrosive

**Dilution pH:**

**Dilution Flash Point (°F):** > 200 °F > 93.4 °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**

<b>Reactivity:</b>	Not Applicable
<b>Stability:</b>	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>	Oxides of phosphorus. Oxides of nitrogen.
<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. Amines.
<b>Conditions to avoid:</b>	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. Harmful if inhaled.

**Sensitization:** No known effects.

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

**Target Organs (RE):**

**Carcinogen Listings:****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 other adverse effects known.

## 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, 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.

**RCRA Hazard Class (undiluted product):** D002 Corrosive Waste

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

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

## 14. TRANSPORT INFORMATION

**DOT (Ground) Bill of Lading Description:** UN2031, NITRIC ACID, SOLUTION, 8, II

**IMDG (Ocean) Bill of Lading Description:** UN2031, NITRIC ACID, SOLUTION, 8, II

## 15. REGULATORY INFORMATION

**International Inventories at CAS# Level**

## US RIGHT TO KNOW (RTK)

### CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Nitric Acid	7697-37-2	15 - 40%	1000	1000	X
Phosphoric acid	7664-38-2	3 - 7%	5000		

## Canadian Regulations

Ingredient(s)	CAS #	NPRI
Nitric Acid	7697-37-2	X

## 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: 2024-07-31

Version: 02.0

Reason for revision:

Not applicable

Prepared by:

North American Regulatory Affairs

Additional advice:

• Does not contain an added fragrance

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