



## STAR 5X

### Heavy Duty Cleaner and Acid Cream Neutralizer

Revision: 2024-07-31

Version: 01.0

#### 1. IDENTIFICATION

<b>Product name:</b>	STAR 5X Heavy Duty Cleaner and Acid Cream Neutralizer
<b>SDS #:</b>	MS0800992
<b>Recommended use:</b>	<ul style="list-style-type: none"> <li>• Cleaning product</li> <li>• Neutralizing Agent</li> <li>• This product is intended to be diluted prior to use</li> </ul>
<b>Uses advised against:</b>	Uses other than those identified are not recommended

<b>Manufacturer, importer, supplier:</b>	Canadian Headquarters
US Headquarters	Diversey Canada, Inc.
Diversey, Inc.	6150 Kennedy Road Unit 3
1300 Altura Rd., Suite 125	Mississauga, Ontario L5T 2J4
Fort Mill, SC 29708	Phone: 1-800-668-7171
Phone: 1-888-352-2249	
SDS Internet Address: <a href="https://sds.diversey.com">https://sds.diversey.com</a>	

**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



**Signal word:** Danger.

##### Hazard Statements

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

##### Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Do not breathe dust. Avoid contact with eyes, skin and clothing. 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. 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. 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: 10

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



**Signal word:**

Danger.

**Hazard and Precautionary Statements**

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

Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Do not breathe dust. Avoid contact with eyes, skin and clothing. 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/shower. 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Classified Ingredients**

Ingredient(s)	CAS #	Weight %
Sodium hydroxide	1310-73-2	30 - 60%

### 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:** 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 contaminated clothing before reuse.

**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.

### 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.

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

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

### **Exposure Guidelines:**

Ingredient(s)	ACGIH	OSHA
Sodium hydroxide	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (TWA)

### **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:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**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:** Chemical-splash goggles.  
**Hand protection:** Chemical-resistant gloves.  
**Skin and body protection:** Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.  
**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** Powder

**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:** 1.0 Kg/L

**Bulk density:** No information available

**Flash point (°F):**

**Kinematic viscosity** No information available

**VOC:** 0 % \*

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

**Sustained combustion:** Not applicable

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

> 200 °F > 93.4 °C

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

**Color:** Opaque , White

**Odor:** No Odor/Odorless

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined Not applicable

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.00

**Vapor density:** No information available

**Vapor pressure:** No information available.

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

**Elemental Phosphorus:** 0.00 % by wt.

**pH:**

**Corrosion to metals:** 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:** Stable

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**Possibility of hazardous reactions:** None known  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Acids. Metals.  
**Conditions to avoid:** Stable at normal conditions.

## 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):** 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.

**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 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 Regulated

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

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

## 14. TRANSPORT INFORMATION

**DOT (Ground) Bill of Lading Description:** UN1823, SODIUM HYDROXIDE, SOLID, 8, II

**IMDG (Ocean) Bill of Lading Description:** UN1823, SODIUM HYDROXIDE, SOLID, 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
Sodium hydroxide	1310-73-2	30 - 60%	1000		

### Canadian Regulations

## 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:

Revision: 2024-07-31

Version: 01.0

Reason for revision: Not applicable

Prepared by: North American Regulatory Affairs

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