



## Enduro Eco Acidic Self-Foaming Extended Contact Cleaner-Descaler

Revision: 2024-07-31

Version: 02.0

### 1. IDENTIFICATION

<b>Product name:</b>	Enduro Eco Acidic Self-Foaming Extended Contact Cleaner-Descaler
<b>SDS #:</b>	MS0800394
<b>Recommended use:</b>	<ul style="list-style-type: none"> <li>• Acidic foam cleaner-descaler</li> <li>• This product is intended to be diluted prior to use</li> <li>• Industrial/Institutional</li> </ul>
<b>Uses advised against:</b>	Uses other than those identified are not recommended
<b>Manufacturer, importer, supplier:</b>	<p>Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171</p>
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>	
<b>Emergency telephone number:</b>	1-800-851-7145; 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### Classification for the undiluted product

Flammable liquids, Category 3  
Skin corrosion, Category 1B  
Serious eye damage, Category 1  
Corrosive to metals, Category 1

**Signal word:****Danger.**

#### Hazard Statements

**FLAMMABLE LIQUID AND VAPOR. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY BE CORROSIVE TO METALS.**

#### 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 container tightly closed. Keep only in original container. 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 eyes, skin and clothing. Wash affected areas thoroughly after handling. 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. Absorb spillage to prevent material damage. Store in a well-ventilated place. Keep cool. 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** 10% v/v

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 %
Phosphoric acid	7664-38-2	15 - 40%
Isopropyl alcohol	67-63-0	1 - 5%
Ethoxylated oleyl amine	13127-82-7	1 - 5%
Sodium xylene sulfonate	1300-72-7	1 - 5%
N,N-dimethyltetradecylamine N-oxide	3332-27-2	0.5 - 1.5%
Lauryl dimethyl amine oxide	1643-20-5	> 0.1 - 1%
Alcohol ethoxylate	68002-97-1	> 0.1 - 1%
1-hexadecanamine, n,n-dimethyl-, n-oxide	7128-91-8	> 0.1 - 1%
Tetradecyldimethylamine	112-75-4	> 0.1 - 1%

### 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.

**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

**Specific hazards:**

Corrosive material (See sections 8 and 10). Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion.

**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. 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. FLAMMABLE LIQUID AND VAPOR. 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. 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 a well-ventilated place. Keep cool. Store locked up.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
Phosphoric acid	3 mg/m <sup>3</sup> (STEL) 1 mg/m <sup>3</sup> (TWA)	1 mg/m <sup>3</sup> (TWA)
Isopropyl alcohol	400 ppm (STEL) 200 ppm (TWA)	400 ppm (TWA) 980 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

- |                                  |   |
|----------------------------------|---|
| <b>Eye protection:</b>           | Chemical-splash goggles.  |
| <b>Hand protection:</b>          | Chemical-resistant gloves.  |
| <b>Skin and body protection:</b> | Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear. |
| <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:** 1.2082 Kg/L

**Bulk density:** No information available

**Flash point (°F):** 106°F ≈ 41 °C

**Kinematic viscosity** No information available

**VOC:** 4 % \*

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

**Sustained combustion:** The product does not sustain combustion

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

**Color:** Clear , Pale , from Yellow to Orange

**Odor:** Product specific Alcohol

**Boiling point/range:** Not determined

**Decomposition temperature:** Not determined

**Solubility:** Completely Soluble

**Relative Density (relative to water):** 1.21

**Vapor density:** No information available

**Vapor pressure:** No information available.

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

**Elemental Phosphorus:** 10.75 % by wt.

**pH:** ≈ 0.5

**Corrosion to metals:** Metal corrosive

#### Dilution pH:

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

**VOC % by wt. at use dilution:** 0.4%

\* - 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>	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.

**Sensitization:** No known effects.

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

**Target Organs (RE):**

**Carcinogen Listings:** Isopropyl alcohol is only classified as an IARC 1 carcinogen & OSHA due to possible exposure to sulfuric acid mist that can be generated during its manufacture. We do not manufacture isopropyl alcohol; therefore, it is not considered a carcinogen in our products.

**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):** D001 Ignitable Waste D002 Corrosive Waste

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

## **14. TRANSPORT INFORMATION**

**DOT (Ground) Bill of Lading Description:** UN1805, PHOSPHORIC ACID SOLUTION, 8, III

**IMDG (Ocean) Bill of Lading Description:** UN1805, PHOSPHORIC ACID SOLUTION, 8, III

## **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
Phosphoric acid	7664-38-2	15 - 40%	5000		
Isopropyl alcohol	67-63-0	1 - 5%			X

### Canadian Regulations

Ingredient(s)	CAS #	NPRI
Isopropyl alcohol	67-63-0	X

## **16. OTHER INFORMATION**

#### NFPA (National Fire Protection Association)

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

Health 3

Flammability 2

Instability 0

Special Hazards -

#### Diluted Product:

Health 1

Flammability 0

Instability 0

Special Hazards -

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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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