

# SAFETY DATA SHEET (SDS)

Complies with OSHA's Hazard Communication Standard 2012 and the Global Harmonized Standard (GHS).

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## Section 1 : Identification

**Product Identification: Autoclave Cleaner**

**Item Number: 00146**

Manufactured by:

: **EPR Industries LLC.**  
4576 Crescent Boulevard  
Pennsauken, NJ 08109

Telephone: 1-856-488-1120

**Emergency: Info-Trac 1-800-535-5053**

**Recommended use:** Liquid solution for cleaning steam autoclaves.

## Section 2 : Hazard(s)

### **Classification of the substance or mixture:**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A)

Acute Toxic Oral (Category 5)

Acute Toxic Dermal (Category 5)



### **Warning (Irritant: Skin / Eye)**

#### Hazard Statements

H303 May be harmful if swallowed  
H315 Causes Skin Irritation  
H319 Causes serious eye irritation

#### Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P313 Skin irritation/Eye irritation: Get medical advice/attention  
P352 For skin: Wash with plenty of soap and water

**Hazard Summary:** Product contains surfactants, sodium salts (bisulfate and EDTA). Very low hazard when used according to label directions. Intended Use: Cleaning Autoclaves.

## Section 3 : Composition / information on Ingredients

Hazardous Ingredient(s)	CAS #	Exposure PEL, TLV, TWA	%
Nonionic surfactant	[9016-45-9]	NE	< 5
Tetrasodium salt of ethylenediamine tetraacetic acid (EDTA)	[64-02-8]	OSHA PEL: 2 MG/M3, ACGIH TLV: C 2 MG/M3	< 20
Sodium Bisulfate	[7681-38-1]	NE	< 10
Sodium Nitrite	[7632-00-0]	NE	< 1

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## Section 4 : First-aid measures

### EMERGENCY FIRST AID PROCEDURES

**SKIN:** Flush area with water for 15 minutes. If irritation persists seek medical attention.

**EYE:** IMMEDIATE EYE WASH with water for 15 MINUTES. Seek immediate medical attention.

**INGESTION:** Do not Induce vomiting. Give large quantities of milk. Seek immediate medical attention.

**INHALATION:** Remove to fresh air. If discomfort persists seek medical attention.

### Potential Acute Health Effects

**Skin:** May cause irritation to skin on contact.

**Eyes:** May cause moderate to severe irritation when contacting eyes.

**Ingestion:** Gastrointestinal discomfort, nausea, irritation of mouth, nasal passages and throat.

**Inhalation:** Unlikely to cause health effects.

**Chronic Exposure:** Not established.

**Carcinogenicity:** Ingredients not listed as carcinogens.

## Section 5 : Fire-fighting measures

**Flash Point :** Not flammable      **Flammable limits :** N/A      **LEL :** N/A      **UEL :** N/A

**Extinguishing media:** Not flammable.

**Unusual fire and explosion hazards:** None

**Special Fire Fighting Procedure:** Product not flammable. No special requirements.

## Section 6 : Accidental release measures

**Personal precautions:** Use personal protection per Section 8.

**Environmental precautions:** Keep from contaminating soils and waterways.

**Methods for cleaning up:** Mop up liquid and dispose.

## Section 7 : Handling and storage

**Handling:** Use in well ventilated areas. Avoid contact with eyes. **Advice on protection against fire and explosion:** Product is not flammable. **Storage:** Store in well ventilated areas at ambient temp. Advice on common storage: **Do not store next to strong oxidizers and acids.**

## Section 8 : Exposure control / personal protection

**Engineering Measures:** Provide normal room ventilation.

**Personal Precautions:** Use protective clothing as specified below.

**Eye Protection:** Use safety goggles or approved safety glasses.

**Hand Protection:** Use protective gloves and discard after contact with product.

**Skin and body protection:** Pants, long sleeves, clinical jacket.

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**Respiratory protection:** Not normally required as long as adequate room ventilation is present.

**Hygiene measures:** Wash hands after using. Emergency eye wash station must be available. Launder contaminated clothing.

## **Section 9 : Physical chemical properties**

Boiling Point : >100 C      Specific Gravity : 1.01 @ 20C      Vapor Pressure: (mm Hg) ND  
Melting Point : N/A      Evaporation Rate : (n-butyl = 1) ND      Vapor Density : (Air = 1) ND  
Solubility in Water : Complete      pH: 7.5 - 8.5

Appearance and Odor: Clear, blue liquid with detergent odor.

## **Section 10 : Stability and reactivity**

**Materials to avoid:** Avoid contact with strong oxidizing agents, strong acids, halogens, peroxides.

**Hazardous decomposition products:** Product may produce carbon monoxide, carbon dioxide, sulfur and nitrogen oxides under extreme heat.

**Hazardous reactions:** May evolve gases if mixed with strong oxidizing agents and acids.

## **Section 11 : Toxicological information**

Acute oral toxicity: Nonionic surfactant = LD<sub>50</sub>> 1310 mg/kg (rat)

EDTA = LD<sub>50</sub>> between 630-1280 mg/kg (rat)

Sodium Nitrite = LD<sub>50</sub>> 180 mg/kg (rat)

Not listed as a carcinogen by OSHA, IARC, AGCIH, or NTP.

## **Section 12 : Ecological information**

There is no information available at this time for this product.

## **Section 13 : Disposal consideration**

**Waste/Disposal Information:** Observe all Federal, State, and Local Environmental Regulations when disposing of this product. Use and or alterations to this product such as mixing with other materials/chemicals may significantly change the characteristics of the material and alter product hazard classifications and the proper disposal method.

## **Section 14 : Transport information**

Product is not classified as a Hazardous Material: (If NO, DOT Information not required)

DOT Proper Shipping name:	Not required
UN-Number:	Not required
Class:	Not required
Packing Group:	Not required

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## **Section 15 : Regulatory information**

None for this product.

## **Section 16 : Other information**

**Date prepared: February 2015**

**Revision: 1.01A**

**Replaces previous version: 1.00A**

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