

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:

MARK3 Autoclave Cleaning Solution

Item Number: 100-0096

Manufactured for:

: Cargus International, Inc.
135 North Route 9W
Congers, New York 10920

Telephone: 1-845-267-2600

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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Section 8 cont--

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 = LD₅₀> 1310 mg/kg (rat)

EDTA = LD₅₀> between 630-1280 mg/kg (rat)

Sodium Nitrite = LD₅₀> 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

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