



SAFETY DATA SHEET

1. Identification of the Substance and Company

Criti-Klenz® Concentrate (Registered Trademark in US)

Instrument Detergent

Product No. 1633

MSDS No. 1633

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Emergency Telephone No. 1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)
Telephone Number for Information: 1-800-548-4873 (Customer Service-Healthcare Products)

2. Hazards Identification

Eye and skin irritant

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	EU No.	Symbol	R Phrases	Oral LD50	LC50
Tetrasodium ethylenediaminetetra acetate	15 - 40	64-02-8	NA	NA	NA	>2000 mg/kg (40% solution) (rat)	ND
Sodium hydroxide	1 - 5	1310-73-2	NA	NA	NA	500 mg/kg (LDLo) (rabbit)	ND

4. First Aid Measures

Eyes: Flush eyes immediately with water for at least 15 minutes. Get medical attention if irritation develops.

Skin: Flush skin immediately with water for at least 15 minutes. Get medical attention if irritation develops.

Ingestion: Do not induce vomiting. Get medical attention. Do not give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

5. Fire-Fighting Measures

Conditions of Flammability/Flash Point: ND **Method:** NA

Upper Flammable Limit: ND **Lower Flammable Limit:** ND **% Volume in Air:** NA

Autoignition Temperature: ND

Flammability Classification: NA

Special Hazards: None

Explosibility Data: ND

Extinguishing Media: Product is not flammable. Use media suitable for surrounding fire.

Special Fire Fighting Procedures: Normal precautions for fighting chemical fires should be observed.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and nitrogen oxides

6. Accidental Release Measures

Spills may be picked up with a mop and followed by a water rinse. Small spills may be flushed to a sanitary sewer with copious amounts of water.

7. Handling and Storage

7.1 Handling

For industrial use only.

Read the label before use.

Avoid eye and skin contact.

7.2 Storage

Keep out of reach of children.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

Sodium hydroxide: ACGIH TLV (ceiling) and OSHA PEL = 2 g/m³

8.2 Personal Protection

Respirator Protection: Not normally required. **Eye Protection:** Safety glasses or goggles.

Protective Gloves: Rubber **Other**

Protective Clothing and Equipment: N/A

Engineering Controls/Ventilation: Normal Room Ventilation. Local exhaust may be necessary under some handling/use conditions.

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: approximately 1.26 g/ml @ 25°C

Physical State/Appearance/Odor: Red/Orange, clear liquid, mild chemical odor

pH: (1% Solution) = Approximately 11.5

Odor Threshold/Vapor Pressure, Vapor Density, Evaporation Rate, Boiling Point and Freezing Point: NA

Coefficient of Water/Oil Distribution: Not Applicable

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials: Strong acids, oxidizing agents and soft metals such as aluminum.

Conditions to Avoid/Conditions of Reactivity: None known

Hazardous Decomposition or Byproducts: Contact with aluminum may produce hydrogen gas.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes (Irritancy): Irritating to eyes.

Skin (Irritancy or Sensitization): Irritating to skin.

Ingestion: Will irritate mouth, throat and gastrointestinal tract.

11.2 Long Term Exposure

None known.

Carcinogenicity: IARC, NTP and OSHA do not list this product or its ingredients as carcinogens.

Reproductive Toxicity/Teratogenicity/Mutagenicity/Toxicologically Synergistic Products: ND

12. Ecological Information

None available

13. Disposal Considerations

Dispose in accordance with local, state, and Federal regulations. Empty containers should be rinsed and discarded in a waste container or offered for recycling if possible. Do not use empty containers for other purposes.

14. Transport Information

Ground: Shipping Name: Non-hazardous

Hazard Class: NA

Sea: IMDG Class: Non-hazardous

Air: ICAO/IATA Class: Non-hazardous

15. Regulatory Information

WHMIS Classification: D2 – Materials Causing Other Toxic Effects (Irritant)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulation.

16. Other Information

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed.

NA = Not Applicable

ND = No Data