



SAFETY DATA SHEET

1. Identification of the Substance and Company

H-Klenz® II

Instrument Detergent

Product No. 1208

SDS No. 1208

Prepared by: M. Ebers

asksteris_msds@steris.com

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STERIS Corporation, P. O. Box 147, St. Louis, MO 63166, US
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)

STERIS Limited, Chancery House, 190 Waterside Road, Hamilton Industrial Park, Leicester,
LE5 1QZ, UK

Emergency Phone No: +44 (0) 1895 622 639

Product/Technical Information Phone No: +44 (0) 116 276 8636

2. Hazards Identification: Corrosive to eyes and skin

3. Composition/Information on Ingredients

Hazardous Component(s)	% By Wt.	CAS No.	EU No.	Symbol	R Phrases
Sodium Metasilicate	< 25	6834-92-0	229-912-9	[C]	[35]
Aminotrimethylene Phosphonic Acid	5	6419-19-8	229-146-5	[C]	[35]

4. First Aid Measures

Eye Contact: Flush eyes immediately with water for 15 minutes. Get medical attention.

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

Ingestion: DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person. If conscious, drink a large quantity of milk or water.

5. Fire-Fighting Measures

Flash Point: Not flammable.

Special Hazards: None known.

Special Fire Fighting Procedures: None known.

Extinguishing Media: Use media appropriate for the primary source of fire.

6. Accidental Release Measures

Ensure suitable personal protection during removal of spillages. Spills should be contained and may be cautiously neutralized with a weak acid solution, or absorbed on appropriate material and placed in a container for disposal. Wash contaminated areas with large quantities of water to a sanitary sewer. Washings should be prevented from entering surface water/storm drains. Local regulations should be observed.

7. Handling and Storage

7.1 Handling

For industrial use only. Read label before use. Avoid all contact with skin, eyes and mouth. Wear appropriate protective clothing [See Section 8.2]. Wash hands and exposed skin thoroughly after use. Launder contaminated clothing before reuse.

7.2 Storage

Keep in original container, out of reach of children.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits

No chemical is present which requires statutory control.

8.2 Personal Protection

Respirator Protection: Not required.

Eye Protection: Goggles or safety glasses.

Protective Gloves: Rubber.

Other Protective Clothing and Equipment: Rubber apron.

Ventilation: Normal room ventilation.

9. Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: Approximately 1.287

Appearance/Odor: Clear, pale orange liquid. Slight amine odor.

pH (1% w/w solution): Approximately 11.3 – 11.9

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatible Materials: Strong oxidizers.

Conditions to Avoid: None known.

Hazardous Decomposition or Byproducts: May form hydrogen gas, CO_x, SO_x and NO_x.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes: CORROSIVE. May cause burns, tearing and redness.

Skin: CORROSIVE. May cause burns.

Ingestion: May cause pain to the nose and throat. This product is not considered to be toxic by ingestion.

11.2 Long Term Exposure: None known.

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

12. Ecological Information: Product is inherently biodegradable as per OECD Method 301B.

The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

13. Disposal Considerations: Do not contaminate ponds, waterways, or ditches with chemical or used containers. Empty containers should be rinsed thoroughly and discarded in an appropriate waste container. [Containers may be offered for reconditioning/recycling.] Empty containers should not be used for other purposes. Unused material may be a hazardous waste due to its high pH and subsequent corrosivity. Disposal of unwanted product should be done in accordance with local, state or national legislation. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations. For additional guidance, contact the State Water Board or the Regional Office of the EPA

14. Transport Information

Ground: UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium metasilicate) 8, PG III

Sea: IMDG Class: UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium metasilicate) 8, PG III

Air: ICAO/IATA Class: UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium metasilicate) 8, PG III

15. Regulatory Information

State Regulations: May contain trace amounts of chemicals found on the California Prop. 65 list.

EU Regulations: This preparation is classified as dangerous as defined by the UK Chemicals (Hazard Information and Packaging for Supply) Regulations. These regulations implement a number of EC Directives including the Dangerous Substances Directive (67/548/EEC and amendments), the Dangerous Preparations Directive (1999/45/EEC and amendments) and the Safety Data Sheets Directive (91/155/EEC and amendment).

EEC Classification: CORROSIVE

Hazard Symbol: C

Risk Phrases: R35: Causes severe burns

Safety Phrases: S24/25: Avoid contact with skin and eyes S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S36/37/39: Wear suitable protective clothing, gloves and full eye/face protection, S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S2: Keep out of reach of children

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 instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data