



Safety Data Sheet

Single-Enzymatic Surgical Instrument Detergent & Presoak

Section 1. Identification

| | |
|----------------------------|--|
| Product Identifier | Single-Enzymatic Surgical Instrument Detergent & Presoak |
| Synonyms | MDS88000B91; MDS88B9105; MDS88B9115; MSD_SDS0154 |
| Manufacturer Stock Numbers | MDS88000B91; MDS88B9105; MDS88B9115 |

| | |
|----------------------|-----------------------|
| Recommended use | Cleaning agent. |
| Uses advised against | Use only as directed. |

| | |
|------------------------------|--|
| Manufacturer Contact Address | Medline 3 Lakes Drive Northfield, IL, 60093 USA |
|------------------------------|--|

| | |
|-------|----------------|
| Phone | (800) 633-5463 |
|-------|----------------|

| | |
|-----------------|----------------------------|
| Emergency Phone | (800) 424-9300 CHEMTREC |
|-----------------|----------------------------|

| | |
|-----|----------------|
| Fax | (847) 643-4436 |
|-----|----------------|

| | |
|---------|--|
| Website | www.Medline.com |
|---------|--|

Section 2. Hazards Identification

| | |
|--------------------------|--|
| Classification | SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2B |
| Signal Word | Warning |
| Pictogram | |
| Hazard Statements | Causes eye irritation |
| Precautionary Statements | |
| Response | Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact |

| | |
|------------|---|
| Prevention | lenses, if present and easy to do. Continue rinsing. Do not handle until all safety precautions have been read and understood. Wash affected area thoroughly after handling. Wear protective gloves, eye protection. |
| Storage | Store at temperatures not exceeding 30°C/86°F. |
| Disposal | Dispose according to all local, state and federal regulations. |

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified
None known.

Section 3. Ingredients

| CAS | Ingredient Name | Weight % |
|-----------|-----------------|----------------|
| 9014-01-1 | Subtilisin | Trade Secret % |

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

| | |
|--------------------|--|
| Eye contact: | Immediately flush with plenty of water. Remove any contact lenses, continue flushing for several minutes and call physician immediately. |
| Skin Contact: | Wash off immediately with plenty of water for several minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: get medical advice/attention. |
| Inhalation: | Move to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center. |
| Symptoms: | Skin contact can lead to drying, itching, stinging and irritation. Exposed individuals may experience eye tearing, redness and discomfort. |
| Note to Physician: | Treat symptomatically |

Section 5. Fire Fighting Measures

| | |
|--|--|
| Suitable Extinguishing Media | In case of fire, use Water, Carbon Dioxide (CO ₂), Dry Chemical or Foam for extinction. |
| Unsuitable Extinguishing Media | N.D. |
| Specific Hazards Arising from the Chemical: | N.D. |
| Protective equipment & precautions for firefighters: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions:
Use personal protective equipment as required.

For Emergency Responders:
Restrict access to spill area. Ventilate the area.

Environmental Precautions:
Prevent entry into waterways, sewers, basements or confined areas.

Methods and Materials for Containment and Cleaning up:

Methods for Containment:
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up:
Flush small spills with water. Dike to collect large liquid spills.

Section 7. Handling and Storage

Precautions for Safe Handling:

Advice on Safe Handling:
Obtain special instructions before use. Read and understand all safety precautions prior to use. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Keep out of the reach of children and pets.

Conditions for Safe Storage, Including any Incompatibilities:

Storage Conditions:
Store in a closed container in a dry, cool and well-ventilated place away from incompatible materials. Do not store above 86°F (30°C).

Incompatible Materials:
Avoid contact with strong acids, oxidizers and alkalis.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

| Ingredient Name | ACGIH TLV | OSHA PEL | STEL |
|-----------------|-------------------------------|--------------------------------|---|
| Subtilisin | Ceiling: 0.00006 mg/ m3 | STEL:0.00006 mg/ m3 60 min. | NIOSH IDLH: 0.00006 mg/m3 60 min. |

Personal Protective Equipment

Goggles, Gloves, Face Shield

Appropriate Engineering Controls:

Ensure adequate ventilation. Eyewash stations.

Individual protection measures, such as personal protective equipment:

Eye/Face Protection:
Wear goggles, chemical safety glasses or a face protection shield.

Skin and Body Protection:
Chemical resistant, non-latex and impermeable gloves. Wear appropriate clothing to prevent prolonged skin contact.

Respiratory Protection:

Under normal conditions a respirator is not normally required. A mask or respirator may be used if vapor concentration is high.

General Hygiene Considerations:

Handle with good industrial hygiene and safety practices.

Section 9. Physical and Chemical Properties

| | |
|---------------------------------------|---------------------|
| Physical State | Liquid |
| Color | Green/ Clear Liquid |
| Odor | Fresh |
| Odor Threshold | N.D. |
| Solubility | Completely soluble |
| Partition coefficient Water/n-octanol | N.D. |
| VOC% | N/A |
| Viscosity | N.D. |
| Specific Gravity | 1.07 |
| Density lbs/Gal | N/A |
| Pounds per Cubic Foot | N/A |
| Flash Point | Not Flammable |
| FP Method | N.A. |
| pH | 7.4 - 8.3 |
| Melting Point | < 23°F / < -5°C |
| Boiling Point | 212°F/ 100°C |
| Boiling Range | N.D. |
| LEL | N/A |
| UEL | N/A |
| Evaporation Rate | < 1 |
| Flammability | N/A-Liquid |
| Decomposition Temperature | N.D. |
| Auto-ignition Temperature | Not Flammable |
| Vapor Pressure | N.D. |
| Vapor Density | > 1 |

Section 10. Stability and Reactivity

Reactivity:

Not reactive under normal conditions.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

None under normal processing.

Hazardous polymerization: Hazardous polymerization will not occur.
Conditions to avoid: None under normal processing.
Incompatibility (Materials to Avoid) Avoid contact with strong acids, oxidizers and alkalis.
Hazardous Decomposition Products: None known.

Section 11. Toxicological Information

Route(s) of Exposure: Eyes; Skin; Inhalation; Ingestion
Information on likely routes of exposure: Eye contact: Causes eye irritation.
Skin contact: Causes mild skin irritation.
Inhalation: Avoid breathing vapors or mists. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion: Do not taste or swallow.
Subtilisin (Protease) CAS-No. 9014-01-1
Oral LD50: 1800 mg/kg (Rat)
Dermal LD50: N.A.
Inhalation LC50: N.A.
Delayed-immediate effects, also chronic effects from short & long term exposure: Carcinogenicity:
The product as a whole has not been tested.
Numerical measures of toxicity: N.D.

Section 12. Ecological Information

Ecotoxicity: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Subtilisin (Protease) CAS-No. 9014-01-1
Algae/aquatic plants: N.D.
Fish: N.D.
Toxicity to microorganisms: N.D.
Crustacea: N.D.
Persistence and degradability: N.D.
Bioaccumulation: N.D.
Mobility: N.D.
Other adverse effects: N.D.

Section 13. Disposal

Disposal of Wastes: Dispose according to all local, state and federal regulations.

Contaminated Packaging: Dispose according to all local, state and federal regulations.

Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name Not Regulated

DOT Classification Not Regulated

Packing Group Not Regulated

Section 15. Regulatory Information

SARA 311/312: Refer to Section 2 of the SDS.

SARA 302: N.A.

SARA 304: N.A.

SARA 313: N.A.

TSCA: All components are listed or exempt.

CERCLA Hazardous N.A.

Substance List:

Clean Air Act (CAA) Section N.A.

112, 112 (r):

State Regulations: N.A.

Section 16. Other Information

Revision Date 2/7/2023

Legend
N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

National Fire Protection
Association (U.S.A): Health
Hazard 1

National Fire Protection
Association (U.S.A): Fire
Hazard 0

National Fire Protection
Association (U.S.A):
Instability Hazard 0

Additional Information: The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.