

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078798791

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078844675

**SECTION 1 – PRODUCT IDENTIFICATION**

**Product Name:** Sklar Spray-Zyme™  
**Recommended Use:** Enzymatic, ready to use foam solution.  
**Restrictions for Use:** Use only as directed.  
**Manufactured for:** Sklar Instruments  
 889 South Matlack Street,  
 West Chester, PA USA, 19382  
 800.221.2166  
**Emergency 24 Hour Phone Number** Chemtrec: 800.424.9300

**SECTION 2 – HAZARD(S) IDENTIFICATION**

**Classification**

Hazard Class	Category
Serious Eye Damage/Eye Irritation	2
Respiratory Sensitization	1

Ratings	NPFA
Health	2
Flammability	1
Physical	0
PPE	C



**DANGER**

**Hazard:** Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precaution:** Keep out of reach of children. Read label before use. Do not breathe (dust/fume/gas/mist/vapors/spray). Do not get in eyes, on skin or on clothing. Wear rubber gloves, chemical goggles, face shield and rubber apron. Wash hands thoroughly after handling.

**Response:**  
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.  
 IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.  
 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention.  
 Medical and Transportation Emergencies contact Chemtrec 800.424.9300

**Storage and Disposal:** Dispose of contents and containers in accordance to local, state and federal regulations.

**Potential Health Effects (Acute and Chronic):** No data available.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Name	CAS#	Concentration
Protease, Type VIII, from bacillus licheniformis	9014-01-1	<1.0%
Boron sodium oxide	1330-43-4	<=1.0%
Isopropyl alcohol	67-63-0	<=1.0%

**SECTION 4 – FIRST AID MEASURES**

<b>In Case of Inhalation:</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
<b>In Case of Skin Contact:</b>	Wash thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
<b>In Case of Eye Contact:</b>	Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
<b>In Case of Ingestion:</b>	Do not induce vomiting. Rinse mouth with fresh, tepid water, then immediately drink 4-8 oz. of milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>Flash Pt:</b>	No data.
<b>Explosive Limits:</b>	LEL: No data. UEL: No data
<b>Auto Ignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , sand, earth, water spray or regular foam.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>Flammable Properties and Hazards:</b>	No data available.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Rubber or neoprene gloves, safety glasses. Wear chemical protective clothing. Do not get in eyes, on skin or on clothing. Wash hands thoroughly after handling. Provide mechanical ventilation to disperse or ventilate the area with fresh air.
<b>Steps to Be Taken in Case Material is Released or Spilled:</b>	Absorb spill with inert material (e.g. dry sand or earth), and dispose of in accordance with applicable regulations.

**SECTION 7 – HANDLING & STORAGE**

<b>Precautions to Be Taken in Handling:</b>	For industrial or institutional use only. Avoid contact with eyes and prolonged or repeated skin contact.
<b>Precautions to Be Taken in Storing:</b>	Keep container closed when not in use. Keep from freezing. Store away from incompatible material.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9014-01-1	Protease, Type VIII, from bacillus licheniformis	No data.	CEIL: 0.00006 mg/m3	No data.
1330-43-4	Boron sodium oxide	No data.	TLV: 1 mg/m3	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

**Respiratory Equipment:** A respirator is not needed under normal and intended conditions of product use.

**Eye Protection:** Safety Glasses

**Protective Gloves:** Rubber or neoprene gloves.

**Other Protective Clothing:** Wear chemical protective clothing.

**Engineering Controls (Ventilation etc.):** Handle in accordance with good industrial hygiene and safety practice in a well ventilated area. Wash hands before breaks and at the end of the workday.

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

**Physical States:** Liquid

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Appearance and Odor:** Appearance: Light Green Liquid  
Odor: No apparent odor

**Vapor Density (vs. Air=1):** No data.

**pH:** 6.0-7.5

**Specific Gravity (Water=1):** 1.000 to 1.010

**Melting Point:** No data.

**Solubility in Water:** 100

**Boiling Point:** No data.

**Percent Volatile:** N.D.

**Flash Point:** No data.

**Autoignition Pt:** No data.

**Evaporation Rate:** No data.

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**SECTION 10 – STABILITY & REACTIVITY**

**Stability:** Product is stable.

**Conditions to Avoid:** Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.

**Incompatible-Materials to Avoid:** Avoid contact with strong acids, bleach bases or other.

**Hazardous Decomposition Products:** Hydrogen gas, carbon monoxide and carbon dioxide.

**Hazardous Reactions:** Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Toxicology Information:** Inhalation, Eye contact, Skin contact, Ingestion

**Irritation or Corrosion:** Eyes: Causes serious eye irritation.

Skin: May cause skin irritation.

Ingestion: No known effects.

Inhalation: May cause nose, throat, and lung irritation.

**Symptoms Related to Toxicological Characteristics:**

Eyes: Redness, pain, irritation

Skin: Redness, pain, irritation

Ingestion: No symptoms known.

Inhalation: Respiratory irritation, cough.

**Chronic Toxicological Effects:** No known chronic toxicological effects.

**Carcinogenicity:** NTP: No IARC: No OSHA Regulated: No

**SECTION 12 – ECOLOGICAL INFORMATION**

This product has no known ecotoxicological effects.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of contents and containers in accordance to local, state and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION****Land Transport (US.DOT):**

DOT Proper Shipping Name: Compound Cleaner, Not Regulated

DOT Hazard Class:

UN/NA Number:

**Air Transport (ICAO/IATA):**

ICAO/IATA Shipping Name: Not Regulated

**SECTION 15 – REGULATORY INFORMATION****EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS#	Hazardous Components (Chemical Name)	S.302 (EHS)	S.304 RQ	S.313 (TRI)
9014-01-1	Protease, Type VIII, from bacillus licheniformis	No	No	No
1330-43-4	Boron sodium oxide	No	No	No
67-63-0	Isopropyl alcohol	No	No	No

**SECTION 16 – OTHER INFORMATION****Revisions Date:** 11-14-2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**