

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION

**Product Name:** Sani-ProZyme™ Enzymatic Detergent  
**Synonyms:** Enzymatic Detergent  
**Product Code(s):** JED  
**Recommended Use:** Detergent  
**Restrictions:** Use only as directed.  
**Company:** Crosstex  
10 Ranick Road  
Hauppauge, New York 11788  
631.582.6777  
**Emergency Telephone Number:** INFOTRAC:  
24-Hour Number: 1-800-535-5053  
International: +1-352-323-3500

### SECTION 2 – HAZARD(S) IDENTIFICATION

**Classifications:** Respiratory Sensitization – Category 1

**Pictograms:**



**Signal Word:** DANGER

**Hazard Statements:** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Precautionary Statements:** Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. If inhaled and breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a poison center or doctor.

**Unclassified/Other Hazards:** 4% of the mixture consists of ingredient(s) of unknown acute toxicity.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Percent by Weight
Glycerin	56-81-5	7 – 13
Subtilisins (proteolytic enzymes)	9014-01-1	0.1 – 1

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### SECTION 4 – FIRST AID MEASURES

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Call a physician if irritation develops or persists.
- Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory tract irritation. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, call a poison center or doctor.
- Skin Contact:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops or persists.
- Note to Physician:** Treat symptomatically.

**Most Important Symptoms and Effects (Acute and Delayed):**

- Eye Contact:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory tract irritation.
- Skin Contact:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

**SECTION 5 – FIRE FIGHTING MEASURES**

- Extinguishing Media:**  
 Suitable: Treat for surrounding material.  
 Unsuitable: None known.
- Specific Hazards During Fire Fighting:** Products of combustion include, but are not limited to, oxides of carbon.
- Protective Equipment/Precautions for Fire-Fighters:** Keep upwind of fire. Wear full firefighting turn-out gear and respiratory protection (SCBA).

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate hazard area and deny entry to unnecessary and unprotected personnel.
- Environmental Precautions:** See Section 12.
- Clean Up/Containment Methods:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush into sewer or allow into waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

**SECTION 7 – HANDLING & STORAGE**

- Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using, do not eat, drink or smoke.
- General Hygiene Advice:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
- Conditions for Safe Storage:** Keep out of the reach of children. Keep container tightly closed.
- Incompatible Materials:** None known.

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

Components	ACGIH-TLV	OSHA-PEL	NIOSH IDHL
Glycerin (56-81-5)	Not available	5 mg/m <sup>3</sup>	Not available
Subtilisins (proteolytic enzymes) (9014-01-1)	0.00006 mg/m <sup>3</sup>		Not available

**Personal Protection**

<b>Engineering Measures:</b>	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
<b>Eye/Face Protection:</b>	Safety glasses or goggles are recommended when using this product.
<b>Hand Protection:</b>	Avoid contact. Wash hands after handling.
<b>Respiratory Protection:</b>	None required under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.
<b>Work/Hygiene Practices:</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, smoke or drink where material is handled, processed or stored.

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance:</b>	Green liquid	<b>Lower Explosive Limit</b>	Not determined
<b>Odor:</b>	Fresh	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	8.7	<b>Relative Density:</b>	1.08
<b>Melting Point/Freezing Point:</b>	Not determined	<b>Solubility(ies):</b>	Water
<b>Initial Boiling Point &amp; Boiling Range:</b>	Not determined	<b>Partition Coefficient (n-octanol/water):</b>	Not determined
<b>Flash Point:</b>	Not determined	<b>Auto-Ignition Temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not flammable	<b>Viscosity:</b>	Not determined
<b>Upper Explosive Limit</b>	Not determined		

**SECTION 10 – STABILITY & REACTIVITY**

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous Reactions:</b>	None under normal use.
<b>Conditions to Avoid:</b>	Heat. Incompatible materials.
<b>Incompatible materials:</b>	None known.
<b>Decomposition Products:</b>	May include, but is not limited to: oxides of carbon.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Likely Exposure Routes:</b>	Inhalation, skin contact, eye contact, ingestion.
<b>Symptoms of Exposure:</b>	See Section 4
<b>Effects of Exposure:</b>	See Section 4

**Product**

ATE (oral)	>2000 mg/kg (rat)
ATE(dermal)	>2000 mg/kg (rabbit)
ATE (inhalation)	Not available

**Numerical Measures of Toxicity:**

Component	LD <sub>50</sub> (oral)	LD <sub>50</sub> (dermal)	LC <sub>50</sub> (inhalation)
Glycerin (CAS No. 56-81-5)	12600 mg/kg (rat)	>10g/kg (rabbit)	Not available
Subtilisins (proteolytic enzymes) (CAS No. 9014-01-1)	1800 mg/kg (rat)	Not available	Not available

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

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Bioaccumulation:</b>	Not established.
<b>Ecological Toxicity:</b>	Not established.
<b>Mobility in Soil:</b>	Not established.
<b>Persistence and Degradability:</b>	Not established.
<b>Other Adverse Effects:</b>	No additional information available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

See section 8 of this SDS for exposure controls and personal protection.

Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

**SECTION 14 – TRANSPORT INFORMATION**

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

<b>DOT (Ground):</b>	Not Regulated
<b>IATA (Air):</b>	Not Regulated
<b>IMDG (Vessel):</b>	Not Regulated

**SECTION 15 – REGULATORY INFORMATION**

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

**SECTION 16 – OTHER INFORMATION**

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