

Safety Data Sheet

Section 1: IDENTIFICATION

Product Identifier

Product Name: Sani ProZyme Enzymatic Detergent
Product Code: JED, JEDSAMPLE
Product Description: Detergent
Use only as directed

Manufacturer: Crosstex International Inc.
10 Ranick Road
Hauppauge, NY 11788
www.crosstex.com

Telephone (General): 1-631-582-6777

Emergency Phone Number:

24-Hour number: 1-800-535-5053
International: 1-352-323-3500

Section 2: HAZARDS IDENTIFICATION

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Hazard Classification	Category
Respiratory Sensitization	1

Label Elements

Hazard Symbols:



Signal Words: Danger

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

Precautionary statement: Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor. Dispose of contents and container in accordance with all local, regional, national and international regulations.

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

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

Hazardous Components					
Chemical Name	CAS#	% (Weight)	LD50/LC50	Classification according to Regulation	Comments
Glycerin	56-81-5	7-13	Not Available	Not Available	Not Available
Subtilisins (proteolytic enzymes)	9014-01-1	0.1-1	Not Available	Not Available	Not Available

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

Description of First Aid Measures

- Inhalation:** 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/physician.
- Skin:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops or persists.
- Eye:** case of contact, immediately flush eyes with plenty of water. Call a physician if irritation develops or persists.
- Ingestion:** 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.

Most important symptoms and effects, both acute and delayed

- Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory tract irritation.
- 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.
- Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Indication of any immediate medical attention and special treatment needed

Note to Physician: Treat symptomatically.

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Section 5: FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Treat for surrounding material.

Unsuitable Extinguishing Media: None known.

Special Hazards arising from substance or mixture:

Unusual Fire and Explosion Hazards: Not Available

Hazardous Combustion Products: Products of combustion include but are not limited to: q oxides of carbon.

Advice for Firefighters: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protection recommended in Section 8. Isolate hazard area and deny entry to unnecessary and unprotected personnel.

Emergency Procedures: Not Available

Environmental precautions: See Section 12 for ecological information.

Methods and material for containment and clean up

Containment/Clean-up Measures: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

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, including any incompatibilities

Storage: Keep out of the reach of children. Keep container tightly closed. Store in a dry environment at 15 °C to 30 °C (59 °F to 86 °F).

Incompatible Materials or Ignition Sources: None known.

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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits/Guidelines			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin (56-81-5)	Not available	5 mg/m ³	Not available
Subtilisins (proteolytic enzymes) (9014-01-1)	0.00006 mg/m ³	Not available	Not available

Exposure controls

Engineering Measures/Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment

Respiratory:

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.

Eye/Face:

Safety glasses or goggles are recommended when using this product.

Hands:

Wear suitable protective clothing.

Skin/Body:

Wear suitable protective clothing.

General Industrial Hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Environmental Exposure Controls:

Not Available

Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Physical and Chemical Properties

Material Description:			
Physical Form	Liquid	Appearance Description	Green liquid
Color	Green	Taste	Not determined
Odor	Fresh	Odor Threshold	Not determined
Particulate Size	Not determined	Particulate Type	Not determined
Aerosol Type	Not determined	Physical and Chemical Properties	Not determined

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General Properties:			
Initial Boiling Point	Not determined	Boiling Range	Not determined
Melting Point	Not determined	Freezing Point	Not determined
Decomposition Temperature	Not determined	Heat of Decomposition	Not determined
pH	8.7	Specific Gravity/Relative Density	Not determined
Density	1.08	Bulk Density	Not determined
Water Solubility	Water	Solvent Solubility	Not determined
Viscosity	Not determined	Explosive Properties	Not determined
Oxidizing Properties:	Not determined		
Volatility:			
Vapor Pressure	Not determined	Vapor Density	Not determined
Evaporation Rate	Not determined	VOC (Wt.)	Not determined
VOC (Vol.)	Not determined	Volatiles (Wt.)	Not determined
Volatiles (Vol.)	Not determined		
Flammability:			
Flash Point	Not determined	UEL	Not determined
LEL	Not determined	Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined	Heat of Combustion (ΔH_c)	Not determined
Burning Time	Not determined	Flame Duration	Not determined
Flame Height	Not determined	Flame Extension	Not determined
Ignition Distance	Not determined	Flammability (solid, gas)	Not flammable
Environmental:			
Half-Life	Not determined	Octanol/Water Partition coefficient	Not determined
Coefficient of water/oil distribution	Not determined	Bioaccumulation Factor	Not determined
Bioconcentration Factor	Not determined	Biochemical Oxygen Demand BOD/BOD5	Not determined
Chemical Oxygen Demand	Not determined	Persistence	Not determined
Degradation	Not determined		

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 use.
Conditions to avoid:	Heat. Incompatible materials.
Incompatible materials:	None known.
Hazardous decomposition products:	May include and are not limited to: oxides of carbon.

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Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

See section 4 of this SDS.

Component Name	CAS #	Toxicity Data	
Glycerin	56-81-5	Oral LD50	12600 mg/kg (rat)
		Dermal LD50	>10g/kg (rabbit)
		Inhalation LC50	Not available
Subtilisins (proteolytic enzymes)	9014-01-1	Oral LD50	1800 mg/kg (rat)
		Dermal LD50	Not available
		Inhalation LC50	Not available

Numerical Measures of Toxicity

Product	
ATE (Oral)	>2000 mg/kg, rat
ATE (Dermal)	>2000 mg/kg, rabbit
ATE (Inhalation)	Not available

Target Organs

Route(s) of entry/exposure: Inhalation, skin contact, eye contact, ingestion

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not established
Persistence and degradability: Not established
Bioaccumulative potential: Not established
Mobility in Soil: No additional information available
Other adverse effects: No additional information available
Other Information: Not Applicable

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product waste: Dispose of the product in accordance with all applicable local, state, and federal regulations.

Packaging waste: Dispose of the container in accordance with all applicable local, state, and federal regulations.

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Section 14: TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Label Code
DOT (Ground)	Not Regulated				
TDG	Not Available				
IMO/IMDG (Vessel)	Not Regulated				
IATA/ICAO (Air)	Not Regulated				

Special precautions for user: Not Available

Transport in bulk: Not Available

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

Disclaimer/Statement of Liability:

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.