



Health	2
Flammability	0
Reactivity	0

Pages: 7
 SDS No.: FG 7108
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Section 1: Identification

Trade Name (s): WashTechs 7108
Intended Use: Textile Wet Processing
Company Name: American Textile, LLC.
 3235 Satellite Boulevard
 Building 400, Suite 300
 Duluth, Georgia 30096
 USA
Phone No.: 770 291-2226
Person Responsible: Anthony Upchurch
Email Address: aupchurch@americantextilellc.com
Emergency Phone No.: 1-770 291-2226
Chemtrec Phone Nos.: USA 1-800 424-9300
 International 1-703 527-3887

Section 2: Hazardous Identification

Classification: Category 1: Respiratory sensitizer and irritant

Signal Word: **Danger**

Pictograms:



Precautionary Statements: **Health Hazard**

Avoid breathing vapors or dust.
 In case of inadequate ventilation wear respiratory protection.
 IF INHALED: 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 a physician.
 May cause sensitization by inhalation.
 Disposal of contents / container in accordance with regulations.

Other Hazards: Spills can be a slipping hazard.

Section 3: Composition / Information on Ingredients

Chemical Name: Carboydrase enzyme

Common Name / Synonyms: Cellulase enzyme

Component	CAS No.	EINECS ELINCS	Content	Classification
Cellulase	9012-54-8	232-734-4		

Section 4: First Aid Measures

Inhalation: Remove from contaminated area to fresh air. Seek medical attention if allergic response exhibited.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash.

Eye Contact: Flush with water for 15 minutes. Do not attempt to neutralize chemically. Seek medical attention if irritation persist.

Ingestion: Ingestion is an unlikely route of exposure. If ingested give ample water. Seek medical attention.

Recommendations: The substance is a respiratory sensitizer and overexposure by inhalation may cause sensitization and allergic responses including breathing difficulties in hypersensitive individuals. Seek medical attention immediately.

Section 5: Fire-Fighting Measures

Extinguishing Equipment / Media: Carbon dioxide, foam and / or ABC dry powder.

Specific Hazards Arising from the Substance: Oxices of carbon, oxides of nitrogen are hazardous decomposition materials under fir conditions.

Protective Equipment and Precautions: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apprartus and full protective clothing. Cool containers exposed to fire with water.

Section 6: Accidental Release Measures

Personal Precautions: Equip cleanup crew with proper protection. Ventilate the area.
See Section 8.

Emergency Procedures: Evacuate unnecessary personnel.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if entry to sewers or public waters.


Methods for Containment: Removal by mechanical means (i.e. wet vacuuming with HEPA filters is preferred.

Cleanup Procedure: Package contained material into suitable container. Dispose in accordance with authorities and regulations. See Section 13.

Section 7: Handling and Storage

Precautions for Safe Handling:	Wash hands and other exposed areas with mild soap and water prior to eating, drinking or smoking.
Incompatible Materials:	Acids, peroxides and combustible organice or easily oxidizable materials.
Conditions for Safe Storage:	Segregate from incompatible materials. Keep from freezing. Protect from physical damage. Keep away from heat / flame.

Section 8. Exposure Controls / Personal Protection

Exposure Limit Values:	No OSHA PEL, TWA or STELs established. Relevant DNELs and RNECs have yet to be determned. Comply with all EU, national and local guidelines.
Engineering Controls:	Efficient exhaust ventilation should always be provided to draw fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain the ambient workplace atmosphere below any established TLV.
Occupational Exposure Controls:	Avoid unnecessary exposure.
Pictograms:	
Respiratory Protection:	Wear NIOSH / MSHA approved respirator whenever exposed to fumes or vapors.
Hand Protection:	Wear neoprene or polyvinyl alcohol impervious gloves when handling the chemical.
Eye Protection:	Wear protective goggles. Make available emergency eye-wash station.
Skin and Body Protection:	Wear chemically protective apron. Wear long sleeved shirt and safety shoes.

Section 9: Physical and Chemical Properties

Appearance:	Medium to dark amber liquid				
Odor:	Slight fermentation odor				
pH:	4.5 +/- 0.2				
Melt / Freezing Point:	-3° C				
Boiling Point / Range:	101° C at 760 mm Hg				
Flash Point:	No data availabe				
Evaporation Rate:	As H ₂ O				
Flammability:	No data availabe				
Explosive Limits:	<table border="1"> <thead> <tr> <th>UL</th> <th>LL</th> </tr> </thead> <tbody> <tr> <td>No data</td> <td>No data</td> </tr> </tbody> </table>	UL	LL	No data	No data
UL	LL				
No data	No data				
Vapor Pressure:	As H ₂ O				
Vapor Density:	No data available				
Specific Gravity:	1.05 - 1.25 g/ml				
Solubility:	Miscible in water, soluble in other solvents				
Partion Coefficient:	No data available				
Auto-ignition Temperature:	No data available				
Decomposition Temperature:	No data available				

Section 10: Stability and Reactivity

Reactivity:

Description: Stable at ambient temperature and normal use conditions.

Chemical Stability:

Stable: Stable under recommended storage conditions.

Stabilizers: N/A

Safety Issues: May decompose at very high temperatures.

Other:

Reaction: None known

Polymerization: None identified, hazardous polymerization does not occur

Conditions to Avoid: None known

Incompatible Materials: Acids, peroxides and combustible organics or easily oxidizable materials.

Hazardous None known

Decomposition Products: None known

Section 11: Toxicological Information

General:

The product is a respiratory sensitizer and irritant. It may cause skin irritation. No data is available regarding reproductive toxicity or mutagenicity.

Routes of Exposure:

Inhalation: May cause respiratory irritation and allergy in susceptible individuals.

Ingestion: May cause abdominal discomfort, nausea, vomiting and diarrhea.

Eye: Can cause eye irritation experienced as stinging and discomfort.

Skin: May cause moderate irritation following prolonged exposure. Not a skin sensitizer. Skin absorption not known to occur.

Effects from Exposure:

See above

Numerical Measures of Toxicity:

Acute Toxicity: Ingestion of this material is not known to result in significant adverse effects. Oral toxicity (rat): LD 50 > 18 g/kg/bw/day (by calculation)

Acute Irritability: No data available.

Description of Symptoms:

See above.

Reports on Carcinogens:

NTP: Not considered a "probable" or "suspected" carcinogen.

IARC: Not considered a "probable" or "suspected" carcinogen.

OSHA: Not considered a "probable" or "suspected" carcinogen.

Section 12: Ecological Information

Ecotoxicity: Not significantly ecotoxic.

Aquatic Toxicity: Data based on commercially similar materials.

Component	CAS No.	Invertebrates and Aquatic Plants	Time	Type	Value
		Daphnia magna		LC50 EC50	3,035 mg/l
		Fathead minnow		LC50 EC50	82 mg/l
		Algae P. subcapita		EC50 NOEC	>10,000 mg/l

Persistence and Degradability: No specific data available, however the substance is miscible in water and is not likely to be persistent. Additionally, the substance is an enzyme which are know to be fully biodegradable.

Bioaccumulation Potential: No specific data available, however the substance is miscible in water and is not likely to be persistent. Additionally, the substance is an enzyme which are know to be fully biodegradable.

K _{ow} :	BCF:
No data	No data

Mobility in Soil: No data available

PBT and vPvB Assessment: The product does not fulfill the criteria to be indentified as PBT or vPvB substance according to Annex XIII of Regulation REACH.

Other Adverse Effects: No other adverse effect known.

Section 13: Disposal Considerations

Waste Treatment Methods:

Product: Dispose of in accordance with local regulations. Destroy at authorized site.

Packaging: Rinse drums prior to disposal. Dispose of empty drums in accordance with regulations.

Properties Affecting Disposal: No additional special considerations.

Sewage Disposal: Keep out of sewers.

Special Precautions: No special precautions.

General Information: To present knowledge of the supplier, this product is not regarded as a hazardous waste as defined by EU Directive 91/689/EC.

Section 14: Transport Information

Land Transport: Not Regulated

UN No.	Shipping Name	Transport Class	Packing Group	Hazard

United States DOT: Not Regulated

Sea Transport: Not Regulated

UN No.	Shipping Name	IMO / IMDG Code	Packing Group	Class	Marine Pollutant
					NO

Air Transport: Not Regulated

UN No.	Shipping Name	IATA / ICAO-DGR Class	Packing Group

Special Precautions: Handle carefully to avoid spillage.

Section 15: Regulatory Information

Regulations:

SARA 313 - Special Toxic Listings: None

California Proposition 65: The product contains no chemicals known to the State of California to cause cancer, birth defects or reproduction harm.

Notification Status:

Yes	No	Not Determined	Listing
X			Components included in the United States TSCA Chemical inventory or are not required to be listed
X			Components are included in the Canada Domestic Substance List (DSL) or are not required to be listed
		X	Components are included on the Australian Inventory of Chemical Substances (AICS)
		X	Components are included on the Chinese inventory
		X	Components are included on the Korean (ECL) inventory
		X	Components are included on the Philippine (PICCS) inventory
		X	Components are included on the Japanese (ENCS) inventory
		X	Components are included on the European Inventory of Existing Chemical Substances (EINECS) inventory
X			Components are included on the European Inventory of Existing Chemical Substances (EINECS) inventory
		X	Components are included on the Taiwan Chemical Substances Control Act Inventory
		X	Components are included on the New Zealand Inventory of Chemical Substances

Safety Assessment:

Section 16: Other Information

Revision Date:

Revised Sections:

Preparation Statement: The information provided in this Safety Data Sheet is correct to the best of our knowledge.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
BCF	Bioconcentration Factor
CAS	Chemical Abstract Service
DOT	United States Department of Transportation
EC₅₀	Effect Concentration 50%
EINECS	European Inventory of Existing Commercial chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Global Harmonized System
HEPA	High-efficiency particulate arrestance
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IC₅₀	Inhibition Concentration 50%
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
kg	Kilogram
K_{ow}	Octanol-Water Partition Coefficient
l	Liter
LC₅₀	Lethal Concentration 50%
LD₅₀	Lethal Dose 50%
LL	Lower Limit
mg	Milligram
MSHA	Mine Safety and Health Administration
N/A	Not applicable
NIOSH	National Institute for Occupational Safety and Health
NLP	No-Longer Polymers
NTP	National Toxicology Program
OSHA	United States Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limits
STEL	Short term exposure limit
STOT	Specific target organ toxicity
UL	Upper Limit
UN	United Nations (Committee of Experts on the Transport of Dangerous Goods)
vPvB	Very Persistent and Very Bioaccumulative