

NEUTRAL CELLULASE MATERIAL SAFETY DATA SHEET			
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SECTION 1 Chemicals and corporate identify			
English name	Neutral Cellulase	Model number	GR-M104
CAS NO.	9012-54-8	MSDS NO.	MSDS#201805
Supplier name	Zibo Green Trade Co.,Ltd	Supplier address	Zhoucun textile science and technology five west 18, Zibo city, China.
Supplier tel.	86533-2722853	Supplier fax	86533-2722853
SECTION 2 Risk overview			
Risk category	No transport hazardous		
Invasion pathways	Eyes and skin contact, inhalation		
Health hazards	No detailed toxicological studies. Avoid direct contact, prevent inhalation.		
Explosion hazard	Do not belong to flammable substances.		
Ingestion	Ingestion will cause stomach pain, nausea, vomit, diarrhea.		

SECTION 3 Ingredient/component information	
Ingredient	Reconstructed made by fungal gene of non-pathogens
SECTION 4 First aid measures	
Skin contact	Wash hands with warm soapy water after handling. Get medical advice when symptoms occur.
Eye contact	Rinse eyes with plenty of water, at least for 15 minutes then get medical attention at once.
Inhalation	Remove from exposure and move to fresh air. If symptoms of irritation or sensitization occur (ex. shortness of breath, transient or acute coughing), call a doctor.
Ingestion	Rinse mouth and throat thoroughly. Drink plenty of water.
SECTION 5 Fire-fighting measures	
Flash point	Not exhibited
Combustibility	Not combustible
Protection against Fire and Explosions	No special requirements
Suitable Fire Extinguishing media	All regular extinguishing materials (foam, carbon dioxide, dry chemicals or water spray)
Non-suitable media	None
Special Exposure hazards	None
SECTION 6 Leakage emergency measures	
Emergency Treatment	Spilled preparation should be removed immediately. Flush spill area with plenty of water. Remove and wash contaminated clothing.
SECTION 7 Handling and storage	
Handling	The usual precautions when handling chemicals should be observed. When using the product, do not eat, drink or smoke. Avoid spilling, skin and eye contact. Ensure good ventilation in the room when handling the product.
Storage	Store in a cool, dry place and away from direct sunlight. The enzyme maintains its activity not less than identified activity when stored at normal temperature (25°C) for 6 months. Avoid long-term storage at above 30°C.
SECTION 8 Contact control/personal protection	
Maximum allowable concentration	No formulate standard

Monitoring methods	None
Engineering control	Provide eye wash station and safety shower. Mechanical ventilation or local exhaust ventilation may be required.
Eyes protection	Wear fitting safety goggles, protective glasses or eye shield
Body protection	Use suitable protective clothing
Hands protection	Use PVC/Rubber gloves
Respiratory	Not required under normal conditions of use
SECTION 9 Physical and chemical property	
Appearance	Brown liquid
PH value	5.5-7.5
Solubility	Soluble in water
SECTION 10 Stability and reactivity	
Stability	Stable under recommended storage and handling conditions.
Conditions to avoid	Elevated temperatures of storage and direct sunlight.
Materials to avoid	None
Hazardous decomposition products	None
SECTION 11 Toxicological information	
Acute toxicity	None
Irritation	None
SECTION 12 Ecology information	
Ecotoxicity	None
Biodegradation	None
Non-biodegradation	None
SECTION 13 Disposal	
Litter nature	No belong to dangerous litter.
Disposal consideration	No special disposal method is required. Dispose of in accordance with current local authority regulations and requirements.

SECTION 14 Transport information	
Dangerous goods number	None
UN number	None
Packaging	30kg per plastic drum
Transport ways	By sea, railway, road
SECTION 15 Laws and regulation information	
No belong to dangerous goods in GB 12268-1990 《Name List of Hazardous Chemicals》	
SECTION 16 Other information	
Other information	None
Filling date	2015.05.08
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Amend information	The information contained in this Material Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of the information and any recommendations or suggestions are made without warranty or guarantee. The information only concerns the above product a supplied and may not be valid if used with other product(s) or in any process. Since the conditions of use are beyond the control of our Company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications.