

Safety Data Sheet



Martrex, Inc.

Section 1: Chemical Product and Company Information

Product name: FerMax™ Green SF Label Yeast

Reference Number: n/a

Web: www.martrexinc.com

Supplier/ Further Information: Martrex, Inc.

1107 Hazeltine Blvd,

Phone: 952/933-5000

Suite 535 MD 27,

Toll Free: 800/328-3627

Chaska, Minnesota 55318

FAX: 952/933-1889

CAS#: 68876-77-7

Chemical Name: Yeast

Synonyms: none known

Chemical Family: Yeast

Product Use: Ethanol Fermentation

24 Hour Emergency Phone - Chemtrec Transport: 1-800-424-9300; Medical: 1-800-441-3637

Section 2: Hazards Identification

Emergency Overview:

GHS Classification: Not a hazardous substance or mixture under Global Harmonized System.

Appearance: Brown color powder

Hygroscopic: (absorbs moisture from air)

Target Organs: None known

Potential Health Effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation.

Chronic Health Effects: No significant health effects could be found.

Carcinogenicity: The material is not listed as cancer causing agent

Reproductive effects: None identified

Section 3: Composition/Information on Ingredients

Component	CAS#	%	OSHA Limits	ACGIH Limits	OTHER Limits
FerMax™ Green Label Yeast	68876-77-7	100%	no data	no data	no data

Section 4: First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Get medical aid.

Ingestion: Wash mouth out with water. **Get medical aid.**

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and

Consult a physician.

Notes to Physician: Treat symptomatically and supportively

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Section 5: Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Hazard Ratings: Not Published

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Wear suitable protective clothing. Shovel or vacuum up material. Place in plastic film bags inside steel drums and hold for waste disposal. Never use contaminated material. Wash spill site with soapy water after initial pickup is complete.

See Section 13: Regulatory Information for disposal.

Section 7: Handling and Storage

Handling: Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes.

Storage: Transport or store in a cool, dry place away from direct sunlight and heat. Keep container tightly closed. Suitable for any general chemical storage area.

Hygienic Work Practices: Handle in accordance with good industrial hygiene and safety practice. Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before meals and end of work period.

Section 8: Exposure Controls / Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits:

Component	CAS#	ACGIH	NIOSH	OSHA - Final PELs
FerMax™ Green SF Label Yeast	68876-77-7	none listed	none listed	none listed

OSHA Vacated PELs: CAS# 68876-77-7: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment: Ensure that an **eye bath and safety shower** are available and ready for use.

Eyes: Safety goggles are recommended.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Respiratory protection is not required where adequate ventilation conditions exist. If airborne concentration exceeds TLV, a self-contained breathing apparatus is advised. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygienic Work Practices: Handle in accordance with good industrial hygiene and safety practice. Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. Remove contaminated clothing; launder before reuse. Cleanse skin thoroughly after contact, before meals and end of work period.

Section 9: Physical and Chemical Properties

Chemical Name: FerMax™ Green SF Label Yeast

Physical State: Powder

Appearance: Brown

Odor: Slightly sour odor

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pH: no data
Vapor Pressure: no data
Vapor Density: no data
Evaporation Rate: no data
Viscosity: no data
Boiling Point: no data
Freezing/Melting Point: no data
Decomposition Temperature: no data
Solubility: no data
Specific Gravity/Density: no data
Molecular Formula: no data
Molecular Weight: no data

Section 10: Stability and Reactivity

Chemical Stability: Material is stable under normal conditions of use and storage.
Conditions to Avoid: Exposure to moist air or water during storage.
Incompatibilities with Other Materials: no data.
Hazardous Decomposition Products: no data.
Hazardous Polymerization: Has not been reported

Section 11: Toxicological Information

RTECS#:
CAS#: 68876-77-7 unlisted.
LD50/LC50: Not available.
Carcinogenicity:
CAS#: 68876-77-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: no data
Teratogenicity: no data.
Reproductive Effects: no data
Mutagenicity: no data
Neurotoxicity: no data
Other Studies: no data

Section 12: Ecological Information

No data available

Section 13: Disposal Considerations

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14: Transport Information

	US DOT	Canada TDG	Other
Shipping Name:	Not regulated as a hazardous material	no data available	
Hazard Class:			
UN Number:			
Packing Group:			

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Section 15: Regulatory Information

US FEDERAL

TSCA: CAS# 68876-77-7 is listed on the TSCA inventory.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

State:

CAS# 68876-77-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65:

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection):

CAS# 68876-77-7: No information available.

Canada

Canada - DSL/NDSL:

CAS# 68876-77-7 is listed on Canada's DSL List.

Canada - WHMIS:

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16: Other Information

Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ANSI - American National Standards Institute

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CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation & Liability Act of 1980
CFR - Code of Federal Regulations
CHEMTREC - Chemical Transportation Emergency Center
CPR - Controlled Products Regulations
CWC - Chemical Weapons Convention
DOT - U.S. Department of Transportation
DSL - Canadian Domestic Substance List
EHS - Extremely Hazardous Substance
EPA - U.S. Environmental Protection Agency
HMIS - Hazardous Material Identification System
IARC - International Agency for Research on Cancer
LEL/UEL - Lower and Upper Explosive Limit
mg/m³ - Milligrams per cubic meter
NAERG - North American Emergency Response Guidebook
NIOSH - National Institute of Occupational Safety and Health
NFPA - National Fire Protection Association
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit (set by OSHA)
PPE - Personal Protective Equipment
RCRA - Resource Conservation and Recovery Act of 1976
SARA - Superfund Amendments and Reauthorization Act
SDS - Safety Data Sheet

STEL - Concentration to which workers can be exposed continuously for a **short** period of time without suffering from irritation, irreversible tissue damage or narcosis of sufficient degree to increase the likelihood of accidental injury, impair self-rescue or materially reduce work efficiency.

TDG (Canadian): Transport of

GHS Pictograms and Hazards

<p>Health Hazard</p>  <ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	<p>Flame</p>  <ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides 	<p>Exclamation Mark</p>  <ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
<p>Gas Cylinder</p>  <ul style="list-style-type: none"> • Gases Under Pressure 	<p>Corrosion</p>  <ul style="list-style-type: none"> • Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals 	<p>Exploding Bomb</p>  <ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides
<p>Flame Over Circle</p>  <ul style="list-style-type: none"> • Oxidizers 	<p>Environment (Non-Mandatory)</p>  <ul style="list-style-type: none"> • Aquatic Toxicity 	<p>Skull and Crossbones</p>  <ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic)

NFPA Rating Explanation Guide					
Rating Number	Health Hazard	Flammability Hazard	Instability Hazard	Rating Symbol	Special Hazard
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures	ALK	Alkaline
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock	ACID	Acidic
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures	BIO	BioHazard
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable	COR	Strong Corrosive
0	No Hazard	Will not burn	Stable	CRYO	Cryogenic
				OXY	Oxidizer
				☢	Radioactive
				W	Reacts violently or explosively with water
				W-OX	Reacts violently or explosively with water or oxidizer

This chart for reference only - For complete specifications consult the NFPA Standard

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Dangerous Goods Regulations

TLV - Threshold Limit Value (set by ACGIH)

TWA - 8-hour Time Weighted Average

TSCA - US Toxic Substance Control Act

WHMIS - Workplace Hazardous Material Information System

SDS Issue Date: n/a

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