

MATERIAL SAFETY DATA SHEET

Total Solutions
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Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: January 31, 2012
DATE OF ISSUE: January 31, 2012

I - Product Identification

Digestase SDE 340

PRODUCT CODE: 0510

CHEMICAL FORMULATION: Dried enzyme/bacterial culture

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	

Contains no hazardous components as defined in 29 CFR 1910.1200

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/A

SPECIFIC GRAVITY (WATER = 1): N/A

VAPOR PRESSURE (mm Hg): N/A

VOC CONTENT (% by weight): <1.0

VAPOR DENSITY (AIR = 1): N/A

EVAPORATION RATE (WATER = 1): N/A

SOLUBILITY IN WATER: Soluble

pH: N/A

APPEARANCE AND ODOR: Tan to brown powder; yeast-like odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/A

(TEST METHOD): N/A

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: None known.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X **EYE CONTACT:** X **SKIN CONTACT:** **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause irritation.

IF ON SKIN: May cause irritation, chapping and dermatitis, with prolonged or repeated exposure.

IF SWALLOWED: May cause nausea, cramps, and diarrhea.

IF INHALED: Irritation to upper respiratory tract. Exposure may trigger allergic response in susceptible persons (asthma).

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and laundry separately before reuse. If irritation persists, obtain medical attention

IF SWALLOWED: Contact physician or poison control center immediately. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. Obtain medical attention if symptoms of allergic reaction appear within 12 hours.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area to prevent accumulation of dust. Sweep up spilled material place in a properly marked closed container for reuse or disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe dusts.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: None required under normal use, otherwise chemical resistant.

EYE PROTECTION: None required under normal use, otherwise chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Eyewash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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