

MATERIAL SAFETY DATA SHEET

SARGENT-WELCH  
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WLC3682R  
MSDS NO. WLC3682Q  
EFFECTIVE DATE

JULY 24, 1991

Product has been  
discontinued, may  
be stock available.

→ Latest Copy

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

PRODUCT: DIASTASE OF MALT  
CHEMICAL SYNONYMS: MALTIN  
FORMULA: A MIXTURES OF ENZYMES.  
UNIT(S) SIZE: 30, 100, 500 GRAMS.  
C.A.S. NO.: 9000-92-4

CHEMTREC 800-424-9300	HEALTH	0
DAY 716-226-6177	FIRE	0
NIGHT 716-334-4222	REACTIVITY	1

NFPA HAZARD RATING				
LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENTS(S)	%	TVL UNITS
DIASTASE OF MALT	100%	NONE ESTABLISHED.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

SECTION III PHYSICAL DATA

MELTING POINT(F): DATA NOT LISTED.  
BOILING POINT(F): DECOMPOSES.  
VAPOR PRESSURE: NEGLIGIBLE AS SOLID.  
VAPOR DENSITY (AIR=1): DATA NOT LISTED.  
SOLUBILITY IN WATER: SOLUBLE IN WATER WITH SOME TURBIDITY.  
APPEARANCE AND ODOR: YELLOWISH-WHITE OR TAN COLOR; CHARACTERISTIC ODOR. HYGRSCPIC  
SPECIFIC GRAVITY (H2O=1): DATA NOT LISTED.  
PERCENT VOLATILE BY VOLUME (%): NON-VOLATILE (NA)  
EVAPORATION RATE ( =1): NON-VOLATILE (NA).

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NON-FLAMMABLE (NA)  
FLAMMABLE LIMITS IN AIR % BY VOLUME: UNKNOWN LOWER: UPPER:  
EXTINGUISHER MEDIA: CARBON DIOXIDE (CO2); DRY CHEMICAL (ABC); WATER SPRAY.

SPECIAL FIREFIGHTING PROCEDURES: IN FIRE CONDITIONS, WEAR A NIOSH-APPROVED, SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: IF DIASTASE OF MALT IS ALLOWED TO BECOME A AIRBORNE AS DUST, EXPLOSIVE CONDITIONS MAY PREVAIL. AVOID CONDITIONS WHICH PRODUCE DUST. CAN REACT WITH OXIDIZING MATERIALS.

D.O.T.: NON-REGULATED  
APPROVED BY U.S. DEPARTMENT OF LABOR "ESSENTIALLY SIMILAR" TO FORM OSHA-20

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMITED VALUE: NONE ESTABLISHED (ACGIH 1983-84).

EFFECTS OF OVEREXPOSURE: INHALATION: LOW HAZARD FOR USUAL LABORATORY HANDLING.  
SKIN: LOW HAZARD FOR USUAL LABORATORY HANDLING. EYES: NO SPECIFIC HAZARD KNOWN  
CONTACT MAY CAUSE TRANSIENT IRRITATION. INGESTION: EXPECTED TO BE A LOW  
INGESTION HAZARD.

EMERGENCY AND FIRST AID PROCEDURES: EYES: IN CASE OF CONTACT, FLUSH THOROUGHLY  
WITH WATER. IF IRRITATION DEVELOPS OR PERSISTS, GET MEDICAL ATTENTION.  
INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT OR ILLNESS DEVELOPS, GET MEDICAL  
ATTENTION. SKIN: FLUSH WITH WATER.

SECTION VI REACTIVITY DATA

STABILITY: STABLE  
CONDITIONS TO AVOID: CAN DECOMPOSE AT TEMPERATURES ABOVE 85C.

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION WILL PRODUCE CARBON DIOXIDE,  
AND PROBABLY CARBON MONOXIDE. OXIDES OF NITROGEN AND SULFUR MAY ALSO BE PRESENT

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.  
CONDITIONS TO AVOID: NOT APPLICABLE.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: VACUUM OR SWEEP UP;  
AVOID CAUSING DUSTY CONDITIONS. WASH SPILL AREA WITH SOAP AND WATER.

WASTE DISPOSAL METHOD: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO  
FEDERAL, STATE OR LOCAL LAWS. THESE DISPOSAL GUIDELINES ARE INTENDED FOR THE  
DISPOSAL GUIDELINES ARE INTENDED FOR THE DISPOSAL OF CATALOG-SIZE QUANTITIES  
ONLY.

DISPOSE OF IN AN APPROVED INCINERATOR EQUIPPED WITH AND AFTERBURNER AND  
SCRUBBER OR IF UNCONTAMINATED, MATERIAL MAY BE DISPOSED OF IN A SANITARY LAND-  
FILL.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATION PROTECTION (SPECIFY TYPE): NONE SHOULD BE NEEDED IN NORMAL LABORA-  
TORY HANDLING. IF DUSTY CONDITIONS PREVAIL, WORK IN A VENTILATION HOOD OR WEAR  
A NIOSH-APPROVED DUST MASK.

VENTILATION: LOCAL EXHAUST: RECOMMENDED SPECIAL: NO  
MECHANICAL (GENERAL): RECOMMENDED OTHER: NO

PROTECTIVE GLOVES: NOT NEEDED.  
EYE PROTECTION: CHEMICAL SAFETY GLASSES.  
OTHER PROTECTIVE EQUIPMENT: GOGGLES, LAB COAT, EYE WASH STATION, VENTILATION HOOD.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: STORE IN A COOL, DRY PLACE AWAY FROM OXIDIZING MATERIALS. WASH THOROUGHLY AFTER HANDLING.

OTHER PRECAUTIONS: REMOVE AND WASH CONTAMINATED CLOTHING.

READ LABEL ON CONTAINER BEFORE USING. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN.

REV. NO.: NO. 2 DATE: 7/24/91 APPROVED: ALEXANDER A. PICCIRILLI  
CHEMICAL SAFETY COORDINATOR: AP

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