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MATERIAL SAFETY DATA SHEET

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SECTION 1. - - - - - - - - - - - - - - - - - PRODUCT AND COMPANY IDENTIFICATION - - - - - - - - - - - - - - -

Product Name: Bacterial Medium: Yeast Extract
Product Code(s): C108
Recommended Use For Laboratory Research Use Only Not for Human or Animal Drug Use

SECTION 2. - - - - - - - - -- - - - - -- - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -- - - - - -- - - - - -

SYNONYMS:	YEAST EXTRACT
CHEMICAL NAME:	NOT APPLICABLE
CHEMICAL FAMILY:	NOT APPLICABLE
CHEMICAL FORMULA:	NOT APPLICABLE
CAS REG. NO.:	8013-01-2

PRODUCT AND/OR COMPONENTS ENTERED ON EPA'S TSCA INVENTORY: NO
THESE PRODUCTS ARE REGULATED BY LAWS AND REGULATIONS OTHER THAN THOSE UNDER TSCA,
OR AGENCIES OTHER THAN EPA AS DIRECTED BY THE U.S. CONGRESS IN SECTION 3B OF TSCA.

SECTION 3. - HAZARDS IDENTIFICATION -

NOT APPLICABLE

INGREDIENTS	CAS NUMBER	% BY WEIGHT	OSHA PEL	ACGIH TLV

THESE PRODUCTS DO NOT MEET THE DEFINITION OF A HAZARDOUS MATERIAL GIVEN IN 29 CFR PART
1910.1200(OSHA). INFORMATION ON THIS FORM IS FURNISHED AS A CUSTOMER SERVICE

SECTION 4. - FIRST-AID MEASURES -

EYE: FLUSH EYES WITH RUNNING WATER. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.
SKIN: WASH SKIN WITH SOAP AND WATER. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.
INHALATION: REMOVE FROM EXPOSURE. IF ILLNESS OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.
INGESTION: IF ILLNESS OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

SECTION 5. - FIRE FIGHTING MEASURES -

FLASH POINT (METHOD USED):	NOT APPLICABLE
FLAMMABLE LIMITS (% BY VOLUME IN AIR):	LEL – NOT ESTABLISHED UEL – NOT ESTABLISHED
FIRE EXTINGUISHING MEDIA:	DRY CHEMICAL FOAM, WATER OR CARBON DIOXIDE (CO_2)
SPECIAL FIRE FIGHTING PROCEDURES:	NOT APPLICABLE
FIRE AND EXPLOSION HAZARDS:	MATERIAL BECOMES SLIPPERY WHEN WET.

SECTION 6. - ACCIDENTAL RELEASE MEASURES- - - - - - - - - - - - - - - - - - -

EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS DESCRIBED IN SECTION C IF EXPOSURE CONDITIONS WARRANT. CONTAIN SPILL AND
CONTROL DUSTS. IF CONCENTRATIONS OF DUST IN AIR IS HIGH, WATER FOG OR SPRAY MAY BE USED
TO KNOCK DOWN DUSTS, OTHERWISE, AVOID WETTING SPILL. MATERIAL BECOMES SLIPPERY WHEN
WET. VACUUM OR SCOOP UP AND PLACE IN DISPOSAL CONTAINER.

SECTION 7. - HANDLING AND STORAGE- -

AVOID BREATHING DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS DESCRIBED IN SECTION C IF EXPOSURE CONDITIONS WARRANT.
WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
USE WITH ADEQUATE VENTILATION.
STORE IN A CLOSED CONTAINER. STORE IN COOL, DRY, WELL VENTILATED AREA. AVOID STORAGE AT ELEVATED TEMPERATURES FOR PROLONGED PERIODS OF TIME. BAGS SHOULD BE KEPT SEALED AND DRY.

SECTION 8. - - - - - - - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - - - - - - - - - - - - -

VENTILATION:	USE ADEQUATE VENTILATION TO CONTROL EXPOSURE BELOW RECOMMENDED LEVEL.

RESPIRATORY PROTECTION: NOT GENERALLY REQUIRED UNLESS NEEDED TO PREVENT RESPIRATORY IRRITATION FROM DUST. FOR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LEVEL, USE NIOSH/MSHA APPROVED SUPPLIED AIR RESPIRATOR.

EYE PROTECTION:	GOGGLES IF AIRBORNE DUST CONCENTRATIONS ARE EXCESSIVE.
SKIN PROTECTION:	NOT APPLICABLE.

NOTE: PERSONAL PROTECTION INFORMATION SHOWN IN SECTION C IS BASED UPON GENERAL INFORMATION AS TO NORMAL USES AND CONDITIONS. WHERE SPECIAL OR UNUSUAL USES OR CONDITIONS EXIST, IT IS SUGGESTED THAT THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST OR OTHER QUALIFIED PROFESSIONAL BE SOUGHT.

SECTION 9. - - - - - - - - - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - - - - - - - - - - - - -

APPEARANCE:	TAN TO BROWN POWDER OR PASTE
ODOR:	MILD

BOILING POINT:	NOT APPLICABLE
VAPOR PRESSURE:	NOT APPLICABLE
VAPOR DENSITY (AIR = 1):	NOT APPLICABLE
SOLUBILITY IN WATER:	APPRECIABLE
SPECIFIC GRAVITY (H2O = 1):	NOT APPLICABLE
PERCENT VOLATILE BY VOLUME:	NOT APPLICABLE
EVAPORATION RATE (BUTYL ACETATE = 1):	NOT APPLICABLE
VISCOSITY:	NOT APPLICABLE

SECTION 10. - - - - - - - - -- - - - - - -- - - - - -STABILITY AND REACTIVITY - - - - - -- - - - - -- - - - - - - - -

STABILITY:	STABLE
CONDITIONS TO AVOID:	HEATING MAY CAUSE COLOR TO DARKEN
INCOMPATIBILITY (MATERIALS TO AVOID):	NOT ESTABLISHED
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS:	NOT ESTABLISHED

SECTION 11. - - - - - - - - - - - - - - TOXICOLOGICAL INFORMATION - - - -- -

RECOMMENDED EXPOSURE LIMITS:
CONTROL AS A NUISANCE DUST:

	RESPIRABLE FRACTION	TOTAL DUST
OHSA PEL	5MG/M3	15MG/ M3
ACGIH TLV	NOT ESTABLISHED	10MG/ M3

ACUTE EFFECTS OF OVEREXPOSURE:

EYE:	DUST MAY CAUSE MECHANICAL IRRITATION.
SKIN:	REPEATED CONTACT MAY CAUSE IRRITATION.
INHALATION:	MAY CAUSE IRRITATION TO MUCOUS MEMBRANES OF NOSE, THROAT AND LUNGS.
INGESTION:	NOT APPLICABLE.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE: NOT KNOWN APPLICABLE INFORMATION.
OTHER HEALTH EFFECTS: PEOPLE KNOWN TO HAVE ALLERGIC SENSITIVITY TO YEAST SHOULD AVOID HANDLING OR USING THIS PRODUCT.

SECTION 12. - - - - - - - - - - - - - - - - - - - ECOLOGICAL INFORMATION - - - - -- - - - - - - - - - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - - - - - - - - - - - DISPOSAL CONSIDERATIONS -

MANAGE IN PERMITTED WASTE MANAGEMENT FACILITY. MAY ALSO BE FLUSHED DOWN CONVENTIONAL SEWER SYSTEM.

SECTION 14. - - - - - - - - - - - TRANSPORT INFORMATION - - - - - - - - -

SHIPPING NAME:	NOT APPLICABLE
HAZARD CLASS:	NOT APPLICABLE
ID NUMBER:	NOT APPLICABLE
PACKING GROUP:	NOT APPLICABLE
MARKING:	NOT APPLICABLE
LABEL:	NOT APPLICABLE
PLACARD:	NOT APPLICABLE
HAZARDOUS SUBSTANCE/RQ:	NOT APPLICABLE
SHIPPING DESCRIPTION:	NOT APPLICABLE
PACKAGING REFERENCES:	NOT APPLICABLE

SECTION 15. - REGULATORY INFORMATION -

BASED ON INFORMATION PRESENTLY AVAILABLE. THESE PRODUCTS DO NOT MEET ANY OF THE HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200.
BASED ON INFORMATION PRESENTLY AVAILABLE. THESE PRODUCTS DO NOT MEET ANY OF THE HEALTH HAZARD DEFINITIONS OF 29 CFR SECTION 1910.1200.

RCRA CLASSIFICATION – UNADULTERATED PRODUCT AS A WASTE: NOT APPLICABLE.

AS OF THE PREPARATION DATE, THIS PRODUCT DID NOT CONTAIN CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

SECTION 16. - - - - - - - - - - OTHER INFORMATION- - - - - - - - - - - -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. MOLECULAR DESIGNS, INC.SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING
OR FROM CONTACT WITH THE ABOVE PRODUCT.

End of SDS