

SECTION I NAME

Product	STARCH, SOLUBLE	CHEMTREC 800-424-9306	Health	0
Chemical Synonyms	Amylodextrin, Amylogen	Day 716-226-6177 Neph 716-334-4222	Fire	1
Formula	(C ₆ H ₁₀ O ₅) _n		Reactivity	1
Unit(s) Size	100, 500 grams, 2.5 kg			
C.A.S. No.	9005-25-8			

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)		%	TLV Units
Starch, soluble		100%	None established

Low hazard for usual laboratory handling;

non-toxic.

SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes on heating	Specific Gravity (H ₂ O = 1)	1.50 at 20°C
Boiling Point (°F)	Decomposes on heating	Percent Volatile by Volume (%)	13% maximum
Vapor Pressure (mm Hg)	Negligible as solid	Evaporation Rate	= 1) Non-volatile (NA)
Vapor Density (Air = 1)	Data not listed		
Solubility in Water	2 grams per 100 ml hot water.		
Appearance and Odor	White powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA)	Flammable Limits in Air % by Volume (Unknown)	Lower	Upper
Extinguisher	Water spray; carbon dioxide (CO ₂); dry chemical (ABC).			

SPECIAL FIREFIGHTING PROCEDURES

Combustible dust. Avoid procedures which would cause a dust cloud of the material to be formed. In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Starch dust may form an explosive mixture with air. Avoid conditions which produce dust. Fire or excessive heat may produce hazardous decomposition products. Do not react vigorously with oxidizing materials.

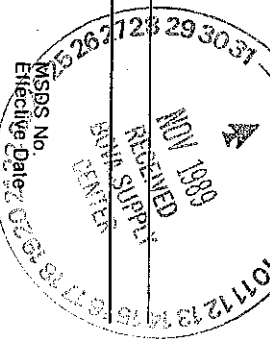
D.O.T. NON-REGULATED



FREY SCIENTIFIC

905 HICKORY LANE MANSFIELD OHIO 44905

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20



SECTION V HEALTH HAZARD DATA

Threshold Limited Value

None established. Mixture: Particulates - 10 mg/m³ (ACGIH 1983-84).

Minimal - Dust may be irritating to nose and eyes.

Emergency and First Aid Procedures

Unlikely to be necessary. Flush eyes with water. IRRITATION: Remove to fresh air. If symptoms of illness develop, get medical attention.

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SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature or heat. Practices which produce dust.
	Stable		
Incompatibility (Materials to avoid)			Oxidizing agents.

Hazardous Decomposition Products

Combustion will produce carbon dioxide, smoke and probably emits carbon monoxide.

Hazardous Polymerization

Will Not Occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled.

Sweep up. Avoiding production of dust and place in a suitable container.

Waste Disposal Method

Uncontaminated material may be disposed of in a sanitary landfill or incinerate.

SECTION VIII SPECIAL PROTECTION INFORMATION

Discharge, treatment, or disposal may be subject to federal, state, or local laws. Respiration Protection: None should be needed in normal laboratory use. If dusty, wear in time hood or (Specify Type) _____ wear an approved (NIOSH) dust mask.

Ventilation	Local Exhaust	NOT required	Special	NO
	Mechanical (General)	Explosive proof	Other	NO

Protective Gloves

None needed

Eye Protection

Chemical safety glasses

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Store in a cool, dry place away from oxidizing agents. Wash thoroughly after handling.

Other Precautions

Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No. 1 Date 1/22/87 Approved *[Signature]* Chemical Safety Coordinator *[Signature]*

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