

MATERIAL SAFETY DATA SHEET

PRODUCT:
PROTOZYME

D.O.T. : Not Regulated or Regulated
Shipping Name (If regulated) :

SECTION I

Manufactured By:
RUHOF CORPORATION
393 SAGAMORE AVENUE
MINEOLA, NY 11501 USA

Emergency Phone: 1-800-424-9300
Information Phone: 516-294-5888
Date Prepared: 10/20/06
Signature of Preparer (optional):

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:	OSHA PEL	CAS #	%
Specific Chemical Identity (Common Name) : P2O5	10mg/m3	7758-29-4	<30%

Sara Hazard: Fire? NO Pressure? NO Reactivity? NO Acute? NO Chronic? NO

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	N/A	Specific Gravity (water=1):	N/A
Vapor Pressure (mm Hg) :	N/A	Melting Point:	DECOMPOSES
Vapor Density (Air=1):	N/A	Evaporation Rate:	N/A
pH:	9.5-10 (1%)	Evaporation Standard:	N/A
Solubility in Water:	UP TO 15% SOLUTION		
Appearance & Odor:	WHITE GRANULAR POWDER, NO ODOR		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : NONE
Flammable Limits in Air (%): N/A Lower: Upper: N/A
Extinguishing Media: WATER, FOAM, FOG, DRY CHEMICAL

Special Fire Fighting Procedures:

FIGHT SURROUNDING FIRE. USE EQUIPMENT AS IF CHEMICAL FIRE.

Ratings	NFPA	HMIS
Health	1	0
Fire	0	0
Reactivity	0	0

Fire/Explosion Hazards:
NONE KNOWN

SECTION V – REACTIVITY DATA

Stability: Unstable Stable
Conditions to Avoid: NONE
Materials to Avoid: ACIDS
Hazardous Decomp/Byproducts: PHOSPHORUS OXIDES
Hazardous Polymerization: May Occur Will Not Occur
Conditions to Avoid: NONE

=====SECTION VI – HEALTH HAZARD DATA=====

Routes of Entry: Inhalation?YES Skin?YES Ingestion?YES

Acute & Chronic Health Hazards:

EYES: IRRITATION FROM DUST. SKIN: IRRITATION. INHALATION: UPPER RESPIRATORY TRACT IRRITATION FROM DUST. INGESTION: GASTROINTESTINAL UPSET POSSIBLE IF LARGE DOSE.

Carcinogenicity:NO **NTP:**NO **IARC:**NO **OSHA Regulated:**NO

Signs/Symptoms of Exposure:

EYES AND SKIN: IRRITATION, REDDENING. INGESTION: IRRITATION OF MOUTH, LUNGS, THROAT, AND STOMACH.

Medical Conditions Generally Aggravated by Exposure:

ASTHMA, DERMATITIS. PERSONS WITH KNOWN ALLERGIES OR CHRONIC RESPIRATORY DISEASE SHOULD AVOID CONTACT WITH DUST.

Emergency and First Aid Procedures:

INGESTION- RINSE MOUTH AND THROAT WITH WATER. SKIN AND EYES- FLUSH WITH FRESH WATER-IN THE CASE OF ANY SYMPTOMS-SEE DOCTOR.

=====SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE=====

In case Material is Released or Spilled:

FLUSH WITH LARGE AMOUNTS OF WATER TO COLLECTION VESSEL. ABSORB IN CLAY ABSORBENT. SHOVEL TO DRY WASTE CONTAINER.

Waste Disposal Method:

APPROPRIATE LANDFILL.

Precautions to be Taken in Handling and Storing:

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM STRONG ALKALIES.

Other Precautions:

USE ALL PRECAUTIONS FOR HANDLING .

=====SECTION VIII – CONTROL AND PROTECTION MEASURES=====

Respiratory Protection:

NIOSH-APPROVED RESPIRATOR.

Ventilation: YES **Special Ventilation:** NO **Local Exhaust Needed:** NO **Mechanical:**YES **Other:** NO (General)

Protective Gloves: PLASTIC OR RUBBER RECOMMENDED

Eye Protection: NOT USUALLY NEEDED. SAFETY GLASSES IF SPLASHING LIKELY.

Clothing/Equipment: NO SPECIAL REQUIREMENTS

Work/Hygiene: WASH CONTAMINATED CLOTHING BEFORE REUSE. SAFETY EYEWASH NEARBY.

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