

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-900/9002-07-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

9002-07-7

Code:

M

RTECS:

YN5075000

Code:

M

Name:

TRYPSIN

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:

OSHA STEL:

N/P

Code:

ACGIH TLV:

N/P

Code:

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE A NIOSH APPROVED RESPIRATOR.

Ventilation:

HANDLE IN A CHEMICAL FUME HOOD WITH ADEQUATE VENTILATION.

Protective Gloves:

CHEMICAL RESISTANT GLOVES.

Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES FULL LENGTH FACESHIELD (FP N).

Other Protective Equipment:

Equipment ANSI APPROVED EYE WASH DELUGE SHOWER (FP N). WEAR SUITABLE PROTECTIVE CLOTHING.

Work Hygienic Practices:

WASH THOROUGHLY AFTER HANDLING MATERIAL. 4

Supplemental Safety and Health:

MFR'S INFO: MFR'S FAX #: (619) 452-3552; MFR'S INFO ON INGS: MOLECULAR WEIGHT: 23, 281. -- PHYSICAL AND CHEMICAL PROPERTIES: SOLUBILITY: SOLUBLE IN HCL, NEUTRAL BUFFERS.

Health Hazards Data

LD50/LC50 Mixture:

LD50:(ORAL,RAT) >5 G/KG & TOX INFO

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

MAY BE HARMFUL BY INGESTION, INHALATION OR ABSORPTION THROUGH SKIN. MATERIAL CAUSES SEVERE IRRITATION TO THE EYES, SKIN, MUCOUS MEMBRANES, AND THE UPPER RESPIRATORY TRACT. PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN SENSITIVE INDIVIDUALS.

Explanation Of Carcinogenicity:

2 N/P

Signs And Symptoms Of Overexposure:

SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:

N/P

First Aid:

SKIN: WASH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE WEARING. CONSULT MD. EYES: FLUSH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS WITH FINGERS. CONSULT MD. INHALATION: REMOVE TO FRESH AIR AND MONITOR BREATHING. IF BREATHING BECOMES DIFFICULT, GIVE OXYGEN AND CONSULT MD. IF BREATHING SS, GIVE ARTIFICIAL RESPIRATION AND CONSULT MD. INGESTION

Spill Release Procedures:

EVACUATE AREA. WEAR A NIOSH APPROVED RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP AND PLACE IN A SUITABLE CONTAINER. AVOID RAISING DUST. HOLD FOR APPROPRIATE DISPOSAL. WASH SPILL SITE AND VENTILATE AREA AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:

N/P

Waste Disposal Methods:

COUNTRY, FEDERAL, STATE & LOCAL REGS ARE VARIED AND CHANGE FREQUENTLY. FOR THIS REASON, MFR RECOMMENDS THAT YOU CONTACT YOUR LOCAL DEPARTMENT OF HEALTH SERVICES FOR INFO ON THE DISPOSAL OF THIS PROD/ARRA NGE FOR DISPOSAL BY A LICENSED DISPOSAL COMPANY. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N).

Handling And Storage Precautions:

STORE IN A TIGHTLY CLOSED CONTAINER IN A (+4C) REFRIGERATOR. PROTECT FROM MOISTURE. MATERIAL IS HARMFUL AND AN IRRITANT. MATERIAL MAY CAUSE SENSITIZATION. AVOID CONTACT WITH MATERIAL. AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT BREATHE DUST. AVOID CONTACT WITH SKIN AND EYES.

Other Precautions:

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY. MATERIAL SHOULD ONLY BE HANDLED BY QUALIFIED, EXPERIENCED PROFESSIONALS.

Fire and Explosion Hazard Information

Flash Point Method:

N/A

Flash Point:

N/P

Flash Point Text:

NOT APPLICABLE

Autoignition Temp:

N/P

Autoignition Temp Text:

N/P

Lower Limits:

N/P

Upper Limits:

N/P

Extinguishing Media:

DRY CHEMICAL POWDER, CARBON DIOXIDE, WATER SPRAY, ALCOHOL OR POLYMER FOAM.

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES.

Physical/Chemical Properties

HCC:

NRC/State LC No:

Net Prop WT For Ammo:

N/P

Boiling Point:

N/P

B.P. Text:

N/P

Melt/Freeze Pt:

N/P

M.P/F.P Text:

N/P

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

N/P

Vapor Density:

N/P

Volatile Org Content %:

N/P

Spec Gravity:

N/P

VOC Pounds/Gallon:

N/P

pH:

N/P

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

SOLUBLE SEE SUPP DATA

Appearance and Odor:

SALT-FREE SOLID.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity:

N/P

Stability Indicator:

YES

Stability Condition To Avoid:

STABLE UNDER NORMAL HANDLING PROCEDURES.

Materials To Avoid:

NOT APPLICABLE.

Hazardous Decomposition Products:

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES INCLUDING CARBON MONOXIDE AND CARBON DIOXIDE.

Spontaneous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/P

Toxicological Information

Information: N/P

MSDS Transport Information

Information: N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information: N/P

Other Information: N/P

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