

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9002-04-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
9002-04-4  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
THROMBIN

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**  
2

## Control Measures

**Respiratory Protection:**  
NONE NORMALLY REQUIRED.

**Ventilation:**  
NONE NORMALLY REQUIRED.

**Protective Gloves:**  
4 NONE NORMALLY REQUIRED.

**Eye Protection:**  
NONE NORMALLY REQUIRED.

**Other Protective Equipment:**  
Equipment NONE NORMALLY REQUIRED.

**Work Hygienic Practices:**  
WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKINH. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**  
THERAPUTIC USE: HEMOSTATIC AGENT.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS UNKNOWN

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
THERAPUTIC SIDE EFFECTS: SENSITIVITY AND ALLERGIC REACTIONS.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
NONE SPECIFIED BY MANUFACTURER.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
INHALED: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR.  
SKIN: WASH WITH SOAP AND WATER UNTIL FREE FROM RESIDUE. INGESTION: GET MEDICAL ATTENTIO N.

**Spill Release Procedures:**  
WIPE UP OR MOP SPILLED MATERIAL. WASH ALL CONTAMINATED SURFACES WITH SOAP AND WATER. PLACE WASTE IN A CONTAINER FOR FUTURE DISPOSAL.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
3 DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MANUFACTURER RECOMMENDS INCINERATION AT A PERMITTED FACILITY.

**Handling And Storage Precautions:**  
STORE AS STATED ON MANUFACTURER'S PRODUCT LABEL.

**Other Precautions:**  
MATERIAL SHOULD BE HANDLED IN SUCH A WAY AS TO AVOID SKIN OR EYE CONTACT.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
>200F,>93C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
CARBON DIOXIDE, DRY CHEMICAL, FOAM, OR WATER SPRAY

**Fire Fighting Procedures:**  
WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR.

**Unusual Fire/Explosion Hazard:**  
NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
UNKNOWN

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
UNKNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
UNKNOWN

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
1.0175

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
OFF-WHITE TO TAN COLORED DRY CAKE; ODORLESS 5

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
OXIDES OF CARBON

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE

## 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

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