

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-900/9001-54-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
9001-54-1
Code:
M

RTECS:

Code:
X

Name:
HYALURONIDASE

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE, MUST BE BASED ON THE SPECIFIC OPERATION, MUST NOT EXCEED THE WORKING LIMITS OF THE RESPIRATOR AND MUST B E APPROVED BY NIOSH/MSHA.

Ventilation:
PROVIDE LOCAL EXHAUST VENTILATION AND/OR DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:
WEAR APPROPRIATE PROTECTIVE GLOVES.

Eye Protection:
SPLASH-PROOF SAFETY GOGGLES.

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING NOT REQUIRED. AVOID REPEATED OR PROLONGED CONTACT WITH THIS SUBSTANCE.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: INHALATION-DUST MAY CAUSE IRRITATION SKIN-DUST MAY CAUSE IRRITATION. EYE-DUST MAY CAUSE IRRITATION. INGESTION-SENSITIZATION REACTION MAY OCCUR IN PREVIOUSLY EXPOSED INDIVIDUALS. CHRONIC: INHALA TION-MAY RESULT IN SENSITIZATION. SKIN-MAY RESULT IN SENSITIZATION OR DERMATITIS. INGESTION-MAY RESULT IN SENSITIZATION.

Explanation Of Carcinogenicity:
NOT CARCINOGENIC.

Signs And Symptions Of Overexposure:
NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER. 3

First Aid:
INHALATION-REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. IF BREATHING HAS SPED, DO CPR. MAINTAIN AIRWAY & BLOOD PRESSURE & GIVE OXYGEN IF NEEDED. SEE ODCTOR. SKIN-WASH AREA WITH SOAP 7 WATER OR MILD DETERGENT. SEE DOCTOR. EYE-WASHIMMEDIATELY WITH LARGE AMOUNTS OF WATER. CONTINUE WASHING WITH NORMAL SALINE TO PH IS NORMAL. SEE DOCTOR. INGESTION-GET DOCTOR. KEEP HEAD LOWER THAN HIPS.

Spill Release Procedures:
SWEEP UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINER FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH SPILLED MATERIAL INTO SEWER. KEEP UNNNECESSARY PEOPLE AWAY.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. FOR ASSISTANCE, CONTACT THE DISTRICT DIRECTOR OF THE ENVIRONMENTAL PROTECTION AGENCY.

Handling And Storage Precautions:
STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:
NONE

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM. FOR LARGE FIRES USE WATER SPRAY, FOG OR REGULAR FOAM.

Fire Fighting Procedures:
4 MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. EXTINGUISH USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING VAPORS/DUST.

Unusual Fire/Explosion Hazard:
SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. DUST-AIR MIXTURE MAY IGNITE OR EXPLODE. KEEP UPWIND.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:
5

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
N/K

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/K

Evaporation Rate & Reference:
N/K

Solubility in Water:
N/K

Appearance and Odor:
ODORLESS, WHITE AMORPHOUS SOLID.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
STABKE UNDER NORMAL TEMPERATURES AND PRESSURES.

Materials To Avoid:
MAY BE INCOMPATUIBLE WITH ACIDS, BASES AND OXIDIZERS.

Hazardous Decomposition Products:
DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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