

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-102/10213-79-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

10213-79-3

Code:

M

RTECS:**Code:**

X

Name:

SODIUM METASILICATE (RUST INHIBITOR)

Other REC Limits:

N/K

OSHA PEL:

15MG/M³ TOTAL DUST

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

10MG/M³ TOTAL DUST

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL VAPOR CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:

LOCAL EXHAUST 5

Protective Gloves:

RUBBER GLOVES

Eye Protection:

CHEMICAL GOGGLES OR FULL FACE SHIELD

Other Protective Equipment:

Equipment EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health:

N/P

Health Hazards Data

LD50/LC50 Mixture:

TLV 50 PPM CEILING (VAPORS)

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE- INHALE: VAPOR/MIST MAY CAUSE RESPIRATORY IRRITATION & MAY RESULT IN UNCONSCIOUSNESS. ORAL: WILL CAUSE ACUTE POISONING RESULTING IN SEVERE ABDOMINAL DISTURBANCES, CNS DEPRESSION & POSSIBLE RESPIRATORY AND/OR RENAL FAILURE. EYE/SKIN: WILL RESULT IN TEMPORARY IRRITATION. CHRONIC- NONE KNOWN.

Explanation Of Carcinogenicity:

N/R

Signs And Symptoms Of Overexposure:

VAPOR/MIST MAY CAUSE RESPIRATORY IRRITATION & MAY RESULT IN UNCONSCIOUSNESS. ORALLY WILL CAUSE ACUTE POISONING RESULTING IN SEVERE ABDOMINAL DISTURBANCES, CNS DEPRESSION & POSSIBLE RESPIRATORY AND/OR RENAL FAILURE. EYE/SKIN CONTACT WILL RESULT IN TEMPORARY IRRITATION.

Medical Cond Aggravated By Exposure:

PERSONS WITH PRE-EXISTING LIVER, KIDNEY OR RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE. 4

First Aid:

CONSULT A PHYSICIAN. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INHALE: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS, INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS!

Spill Release Procedures:

WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE THE AREA. S LEAK IF POSSIBLE. CONTAIN THE SPILL. PICK UP LARGE SPILL WITH NON-SPARKING TOOLS; SMALL SPILLS/RESIDUE WITH ABSORBENT MATERIAL. PLACE IN NON-LEAK CONTAINERS. CONTAIN RUN-OFF.

Neutralizing Agent:

N/R

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

STORAGE- STORE IN COOL, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES. AVOID CONTACT WITH FOOD AND FOODSTUFF.

Other Precautions:

EMPTY CONTAINERS MAY BE UNSAFE DUE TO PRESENCE OF RESIDUES. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING VAPORS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

Fire and Explosion Hazard Information

Flash Point Method:

COC

Flash Point:**Flash Point Text:**

260F, 127C

Autoignition Temp:**Autoignition Temp Text:**

775F

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

WATER SPRAY, CO₂, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.

Fire Fighting Procedures:

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:

VAPORS MAY TRAVEL ALONG GROUND TO IGNITION SOURCE AND FLASH BACK.

Physical/Chemical Properties

HC:

V5

NRC/State Lic No:**Net Prop WT For Ammo:****Boiling Point:**

330F, 166C

Melt/Freeze Pt:**M.P/F.P Text:**

N/R

Decomp Temp:**Decomp Text:**

N/K

Vapor Pres:

18

Vapor Density:

N/K

Volatile Org Content %:**Spec Gravity:**

1.125-1.126

VOC Pounds/Gallon:**PH:**

10-11

VOC Grams/Liter:**Viscosity:**

N/K

Evaporation Rate & Reference:

UNKNOWN

Solubility in Water:

COMPLETE

Appearance and Odor:

SLIGHTLY HAZY, FLUORESCENT GREEN LIQUID, SLIGHT GLYCOL ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

UNKNOWN

Reactivity Data**Stability Indicator:**

YES

Excessive Heat, Flame, Ignition Sources:**Materials To Avoid:**

STRONG OXIDIZERS

Hazardous Decomposition Products:

MAY FORM CARBON MONOXIDE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

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: