

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-133/1332-09-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1332-09-8

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
PUMICE

**Other REC Limits:**  
10 MG/M3 (MFR)

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED RESPIRATOR.

**Ventilation:**  
PROVIDE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR SMOKE LEVELS AS LOW AS POSSIBLE.

**Protective Gloves:**  
RUBBER OR PLASTIC RECOMMENDED 5

**Eye Protection:**  
SAFETY GOGGLES RECOMMENDED

**Other Protective Equipment:**  
Equipment EYEBATH, WASHING FACILITY, SAFETY SHOWER

**Work Hygienic Practices:**  
OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
3 LD50 (ORAL, 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:**  
TARGET ORGNS:EYE, MUCOUS MEMBRANES, SKIN. ACUTE- CORROSIVE, TOXIC AND IRRITANT. DIRECT CONTACT WITH LIQUID SNCL4 PRODUCES ACID BURNS. CAN BURN EYES, SKIN, MUCOUS MEMBRANES. HARMFUL IF INHALED OR INGES TED. CHRONIC- UNKNOWN.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptoms Of Overexposure:**  
SEVERE IRRITATION, COUGHING, SHORTNESS OF BREATH, HEADACHE, NAUSEA, VOMITING, BURNS, PAIN

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

**First Aid:**  
GET MEDICAL ATTENTION IMMEDIATELY. SKIN:REMOVE CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER, THEN WASH WITH SOAP & WATER. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALE D:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 2 GLASSES OF WATER TO DILUTE CHEMICAL.

**Spill Release Procedures:**  
IF CONTENTS OF A TUBE ARE RELEASED, LEAVE AREA UNTIL SMOKE GENERATION SUBSIDES. FILL A BUCKET 3/4 FULL OF WATER & ADD 1 OZ OF SODIUM BICARBONATE. SWEEP UP TUBE & SPILLED CONTENTS & PLACE IN BUCKET OVE RNIGHT. POUR NEUTRALIZED WATER DOWN DRAIN.

**Neutralizing Agent:**  
SODIUM BICARBONATE

**Waste Disposal Methods:**  
DISPOSAL MUST COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM MOISTURE, WATER VAPORS AND INCOMPATIBLE MATERIALS. 4

**Other Precautions:**  
WASH THOROUGHLY AFTER HANDLING. DO NOT BREATHE SMOKE. KEEP OUT OF REACH OF CHILDREN. THIS PRODUCT IS FOR USE IN DETERMINATION OF DIRECTION AND VELOCITY OF VENTILATION AIR CURRENTS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/R

**Lower Limits:**  
NOT RELEVANT

**Upper Limits:**  
NOT RELEVANT

**Extinguishing Media:**  
WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

**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:**  
TUBES MAY RUPTURE AND EMIT TOXIC FUMES AND DENSE SMOKE UNDER FIRE CONDITIONS. AVOID CONTACT WITH RUN-OFF WATER WHICH MAY BE ACIDIFIED BY LEACHED TUBE CONTENTS.

## Physical/Chemical Properties

**HCC:**  
C1

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
235F,113C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
NOT KNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
10-20 @77F

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
>1

**VOC Pounds/Gallon:**

**PH:** ACIDIC

**VOC Grams/Liter:**

**Viscosity:**  
NOT RELEVANT

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
SOLUBLE - DECOMPOSES

**Appearance and Odor:**  
GRAY TO BLACK GRANULES, ACID ODOR

**Percent Volatiles by Volume:**  
50

**Corrosion Rate:**  
UNKNOWN 6

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
WATER/MOISTURE (REACTS WITH WATER VAPOR YIELDING TIN OXIDE AND HYDROCHLORIC ACID).

**Materials To Avoid:**  
STRONG BASES, ALCOHOLS, ETHYLENE OXIDE, ALKYL NITRATES AND AMINES

**Hazardous Decomposition Products:**  
TIN OXIDES, SMOKE, HYDROCHLORIC ACID

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

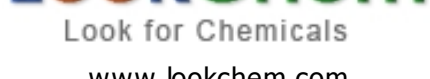
**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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