

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-130/1302-74-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1302-74-5  
**Code:**  
M

**RTECS:**  
GN0231000  
**Code:**  
M

**Name:**  
ALUMINUM OXIDE Environmental Wt: Other REC Limi

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P  
**Code:**

**OSHA STEL:**  
N/P  
**Code:**

**ACGIH TLV:**  
N/P  
**Code:**

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
USE NIOSH APPROVED RESPIRATOR WHEN PEL MIGHT BE EXCEEDED.

**Ventilation:**  
"NOT APPLICABLE"

**Protective Gloves:**  
RECOMMENDED.

**Eye Protection:**  
SAFETY GOGGLES WITH SIDE SHIELDS.

**Other Protective Equipment:**  
Equipment N/A.

**Work Hygienic Practices:**  
AVOID RAISING DUST. AVOID CONTACT WITH SKIN, EYES, CLOTHING.

**Supplemental Safety and Health:**  
N/A.

## Health Hazards Data

**LD50LC50Mixture:**  
PRODUCT'S LD50 (ORAL RAT) UNKNOWN

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO 2

**Health Hazards Acute And Chronic:**  
ACUTE: MAY CAUSE EYE, SKIN, MUCOUS MEMBRANE IRRITATION. CHRONIC: PROLONGED INHALATION MAY CAUSE LUNG DAMAGE.

**Explanation Of Carcinogenicity:**  
NOT LISTED.

**Signs And Symptions Of Overexposure:**  
EYE, SKIN AND MUCOUS MEMBRANE IRRITATION.

**Medical Cond Aggravated By Exposure:**  
BREATHING OF DUST MAY AGGRAVATE ASTHMA & INFLAMMATORY OF FIBROTIC PULMONARY DISEASE.

**First Aid:**  
EYE CONTACT-FLUSH EYES WITH WATER FOR 15 MIN AND CONTACT PHYSICIAN. SKIN-WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION-REMOVE TO FRESH AIR AND GET MEDICAL ASSISTANCE IF NECESSARY. INGESTION-IF INGESTED IN LARGE QUANTITIES, DRINK 2 GLASSES OF WATER. CONTACT PHYSICIAN FOR PERMISSION TO INDUCE VOMITING. THIS PRODUCT GETS HOT AS IT ABSORBS WATER. BURNS TO MOIST BODY TISSUE CAN RESULT IF CONTACT IS PROLONGED. NO OTHER EVIDENCE OF SOURCE EFFECTS FROM AVAILABLE INFORMATION.

**Spill Release Procedures:**  
SWEEP THE SPILL AREA. COLLECT & PLACE SPILLED MATERIAL IN A WASTE DISPOSAL CONTAINER. AVOID RAISING DUST.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
DISCARD ANY PRODUCT, RESIDUE, DISPOSABLE CONTAINER OR LINER IN AN ENVIRONMENTALLY ACCEPTABLE MANNER IN FULL COMPLIANCE WITH ALL FEDERAL STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID BREATHING DUST. USE WITH ADEQUATE VENTILATION. WASH AFTER HANDLING.

**Other Precautions:**  
USE GOOD PERSONAL HYGIENE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
DOES NOT BURN

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/A

**Upper Limits:**  
N/A

**Extinguishing Media:**  
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
USED MATERIAL MAY CONTAIN PRODUCTS OF A HAZARDOUS NATURE. THE USER OF THIS PRODUCT MUST IDENTIFY HAZARDS OF THE RETAINED MATERIAL AND INFORM FIRE FIGHTERS OF THESE HAZARDS. 3

**Unusual Fire/Explosion Hazard:**  
WHEN EXPOSED TO WATER, MOLECULAR SIEVE CAN GET QUITE HOT. WHEN FIRST WETTED, IT CAN HEAT TO BOILING POINT OF WATER. FLOODING WILL REDUCE THE TEMPERATURE TO SAFE LIMITS.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
NONE

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/A

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/A

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/A

**Vapor Density:**  
N/A

**Volatile Org Content %:**

**Spec Gravity:**  
2.1

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Reference:**  
N/A

**Solubility in Water:**  
N/A

**Appearance and Odor:**  
PRODUCT MAY APPEAR AS A BEAD PELLET, MESH CAKE OR POWDER. ODORLESS.

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

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
THE ADDITION OF WATER WITHOUT FLOODING CAN CAUSE A RISE IN TEMPERATURE FROM THE HEAT OF ABSORPTION, AND CONTACT WITH SKIN MIGHT RESULT IN BURNS.

**Materials To Avoid:**  
SUDDEN CONTACT WITH HIGH CONCENTRATION OF CHEMICALS HAVING HIGH HEATS OF ABSORPTION.

**Hazardous Decomposition Products:**  
DOES NOT READILY DECOMPOSE. ABSORBED MATERIALS SUCH AS HYDROCARBONS WILL BE MORE EASILY GIVEN OFF.

**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

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

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.