

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/1317-70-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1317-70-0  
**Code:**  
M

**RTECS:**  
BV6550000  
**Code:**  
M

**Name:**  
ANATASE (TITANIUM DIOXIDE)

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**  
**Code:**

**ACGIH TLV:**  
15 MG/CUM  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
3 NONE

**Ventilation:**  
LOCAL EXHAUST RECOMMENDED

**Protective Gloves:**  
CHEMICALLY RESISTANT RUBBER, PLASTIC

**Eye Protection:**  
SAFETY GLASSES, CHEMICAL GOGGLES

**Other Protective Equipment:**  
Equipment AS REQUIRED BY YOUR COMPANY

**Work Hygienic Practices:**  
N/K

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

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SKIN/EYE: IRRITANT.

**Explanation Of Carcinogenicity:**  
NONE 2

**Signs And Symptions Of Overexposure:**  
SKIN/EYE: IRRITANT.

**Medical Cond Aggravated By Exposure:**  
PRESENSITIZATION OF PRODUCT

**First Aid:**  
SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. INHALATION: MOVE TO AREA FREE FROM RISK OF FURTHER EXPOSURE. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
CLEAN W/CLOTHING OR ABSORBENT PAPER. IF AREA ENCLOSED, VENTILATE.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
WASTE MATERIAL CAN BE INCINERATED OR DISPOSED OF IN ACCORDANCE W/FEDERAL, STATE, OR LOCAL REGULATIONS REGARDING ENVIRONMENTAL CONTROL.

**Handling And Storage Precautions:**  
STORE TEMPERATURES BETWEEN 32F-122F. IF CLOSED CONTAINER OF MATERIAL IS EXPOSED TO HEAT, PRESSURE CAN BUILD UP.

**Other Precautions:**  
IF MOISTURE ENTERS DRUM, PRESSURE BUILDUP DUE TO REACTION. KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAME. STORE IN TIGHTLY CLOSED CONTAINER/PROTECT FROM MOISTURE & FOREIGN MATERIALS. IDEAL STORAGE TEMPERA TURE IS 50-80F.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
143F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
1.0%

**Upper Limits:**  
N/K

**Extinguishing Media:**  
FOAM, CO2, DRY CHEMICAL

**Fire Fighting Procedures:**  
PERSONNEL ENGAGED IN FIGHTING FIRES MUST BE PROTECTED AGAINST NITROGEN DIOXIDE FUMES & SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
DURING A FIRE, IRRITATING, TOXIC GASES & AEROSOLS MAY BE PRESENT FROM THE DECOMPOSITION & COMBUSTION PRODUCTS.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
>AIR

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
SLOWER THAN ETHER

**Solubility in Water:**  
N/K

**Appearance and Odor:**  
N/K

**Percent Volatiles by Volume:**  
<6%

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**

**Stability Condition To Avoid:**

**Materials To Avoid:**

**Hazardous Decomposition Products:**

**Hazardous Polymerization Indicator:**

**Conditions To Avoid Polymerization:**

## 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