

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-120/12063-19-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
12063-19-3  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
IRON ZINC OXIDE (CARRIER) 1

**Other REC Limits:**  
N/K

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

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
NOT REQUIRED WHEN USED AS INTENDED IN MINOLTA EQUIPMENT.

**Ventilation:**  
N/R

**Protective Gloves:**  
NOT REQUIRED

**Eye Protection:**  
NOT REQUIRED

**Other Protective Equipment:**  
Equipment FOR USE OTHER THAN NORMAL CUSTOMER, USE OF GOGGLES &RESPIRATORS MAY BE REQUIRED.

**Work Hygienic Practices:**  
NONE

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

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50: >5G/KG (RATS)

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

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: MAY COUGH & RAISE THE PHLEGM. MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
MINIMAL RESPIRATORY TRACT IRRITATION MAY OCCUR AS WITH EXPOSURE TO LARGE AMOUNTS OF ANY NON-TOXIC DUST.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
SKIN: WASH WITH SOAP & WATER.

**Spill Release Procedures:**  
IF SPILLED, SWEEP UP OR VACUUM.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
NO SPECIAL TECHNIQUES BEYOND NORMAL PRACTICE. INSURE CONFORMITY WITH FEDERAL, STATE OR LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
NONE

**Other Precautions:**  
NONE

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A 3

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

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

**Fire Fighting Procedures:**  
AVOID INHALATION OF SMOKE.

**Unusual Fire/Explosion Hazard:**  
TONER IS A COMBUSTIBLE POWDER. WHEN DISPERSED IN AIR, IT FORMS EXPLOSIVE MIXTURES.

## 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/R

**Decomp Temp:**

**Decomp Text:**  
N/R

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
2.9

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/R 4

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
BLACK POWDER/FAINT ODOR.

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

**Corrosion Rate:**  
N/R

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
PRODUCTS OF COMBUSTION ARE TOXIC. AVOID BREATHING OF SMOKE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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