

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/1314-36-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

1314-36-9

**Code:**

M

**RTECS:**

ZG3850000

**Code:**

M

**Name:**

YTTRIUM OXIDE

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

APPROPRIATE DUST MASK SHOULD BE USED IF LARGE VOLUMES OF LAMPS ARE BEING BROKEN FOR DISPOSAL.

**Ventilation:**

4 AVOID INHALATION OF ANY AIRBORNE DUST. PROVIDE LOCAL EXHAUST WHEN DISPOSING LARGE QUANTITIES OF LAMPS.

**Protective Gloves:**

APPROPRIATE PROTECTION WHEN DISPOSING/BROKEN LAMPS.

**Eye Protection:**

APPROPRIATE PROTECTION WHEN DISPOSING/BROKEN LAMPS.

**Other Protective Equipment:**

Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**

AS MATTER OF GOOD PRACTICE PROLONGED/FREQUENT EXPOSURE SHOULD BE AVOIDED THRU USE OF ADEQUATE VENTILATION DURING DISPOSAL OF LG AMTS.

**Supplemental Safety and Health:**

HEALTH HAZ: DURING LG QUANT OF LAMP DISPOSAL, DISPOSAL & APPEAR TO DEPENDENT ON LAMP OPERATING CONDITIONS/BURN TIME. LAMPS FROM ALL MFG EXHIBIT SAME PHENOMENA. NEMA WORKS CLOSELY W/EPA FOR CLARIFICATION/GUIDANCE. SMALL AMOUNTS PLACED IN ORDINARY TRASH NOT APPRECIABLY AFFECT METHOD OF DISPOSAL. SPENT LAMPS ADD TO OTHER REG WASTE/LG AMTS MAY BE REG.

## Health Hazards Data

**LD50/LC50/Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

N/P

**IARC:**

N/P

**OSHA:**

N/P

**Health Hazards Acute And Chronic:**

BREAKAGE OF LAMP MAY RESULT IN SOME EXPOSURE TO PHOSPHOR POWDER DUST & TO ELEMENTAL MERCURY VAPOR. PHOSPHORS CONTAIN ALUMINATES, PHOSPHATES & OXIDE. NO ADVERSE EFFECTS ARE EXPECTED FROM OCCASIONAL EXPOSURE TO BROKEN LAMPS BUT AS MATTER OF GOOD PRACTICE PROLONGED/FREQUENT EXPOSURE SHOULD BE AVOIDED THRU USE OF ADEQUATE VENTILATION (SUPPLEMENT).

**Explanation Of Carcinogenicity:**

N/P

**Signs And Symptoms Of Overexposure:**

3 N/P

**Medical Cond Aggravated By Exposure:**

NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

NORMAL FIRST AID PROCEDURE FOR GLASS CUTS IF SUCH OCCUR THROUGH LAMP BREAKAGE.

**Spill Release Procedures:**

NORMAL PRECAUTIONS SHOULD BE TAKEN FOR COLLECTION OF BROKEN GLASS.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

UNDER TCLP PROMULGATED BY US EPA TESTS OF USED/SPECIFIC FLUORESCENT/INCANDESCENT/HIGH INTENSITY DISCHARGE LAMPS INDICATE SOME TYPES MAY BE CLASSIFIED AS CHARACTERISTIC HAZ WASTE. NOTABLY TCLP RESULTS FOR FLUORESCENT LAMPS VARY TREMENDOUSLY FROM LAB TO LAB (SUPPLY)

**Handling And Storage Precautions:**

NONE SPECIFIED BY MANUFACTURER.

**Other Precautions:**

CUSTOMERS SHOULD REVIEW THEIR WASTE HANDLING PRACTICES TO ASSURE THAT THEY ARE PROPERLY DISPOSING OF WASTE LAMPS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

N/A

**Autoignition Temp:**

**Autoignition Temp Text:**

N/P

**Lower Limits:**

N/A

**Upper Limits:**

N/A

**Extinguishing Media:**

NOT APPLICABLE

**Fire Fighting Procedures:**

NOT APPLICABLE

**Unusual Fire/Explosion Hazard:**

UNDER EXTREME HEAT GLASS TUBE MIGHT MELT OR CRACK.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State Lic No:**

N/R

**Net Wt For Ammo:**

**Boiling Point:**

**B.P. Text:**

N/A

**Melt/Freeze Pt:**

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

N/A

**Decomp Temp:**

**Decomp Text:**

N/A

**Vapor Pres:**

N/A

**Vapor Density:**

N/A

**Extincting Media:**

NOT APPLICABLE

**Fire Fighting Procedures:**

NOT APPLICABLE

**Unusual Fire/Explosion Hazard:**

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## Reactivity Data

**Stability Indicator:**

YES

**Not Applicable To Avoid:**

NOT APPLICABLE

**Materials To Avoid:**

GLASS WILL REACT WITH HYDROFLUORIC ACID.

**Hazardous Decomposition Products:**

N/A

**Hazardous Polymerization Indicator:**

NO

**Not Applicable To Avoid Polymerization:**

NOT APPLICABLE

## Toxicological Information

**Information:** N/P

**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

**Information:** N/P