

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-101/10196-18-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

10196-18-6

**Code:**

M

**RTECS:**

ZH4775000

**Code:**

M

**Name:**

ZINC NITRATE HEXAHYDRATE

**Other REC Limits:**

NONE RECOMMENDED 3

**OSHA PEL:**

10 MG ZNO/M3

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

10 MG ZNO/M3; 9293

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NOT NORMALLY REQUIRED.

**Ventilation:**

NOT NORMALLY REQUIRED. PROCESSING LARGE QUANTITIES OF FILM SHOULD BE HANDLED WITH LOCAL EXHAUST.

**Protective Gloves:**

NOT NORMALLY REQUIRED. SEE SUPP DATA

**Eye Protection:**

NOT NORMALLY REQUIRED.

**Other Protective Equipment:**

Equipment NO INFORMATION GIVEN ON MSDS BY MFR.

**Work Hygienic Practices:**

SUPPLIER LEFT THIS FIELD BLANK. HMIS:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

**Supplemental Safety and Health:**

KEY2:KT IF PROCESSING LARGE QUANTITIES OF FILM, WEAR NEOPRENE, NITRILE, OR BUTYL GLOVES. \*\*MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED BY THEM. 6

## Health Hazards Data

**LD50/LC50/Mixture:**

LD50 (ORAL RAT) IS UNKNOWN

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE: EYE CONTACT WITH DEVELOPER MAY CAUSE PERMANENT EYE DAMAGE. MAY CAUSE BURNS TO SKIN AND MOUTH.

CHRONIC: NONE CURRENTLY KNOWN.

**Explanation Of Carcinogenicity:**

NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN. 4

**Signs And Symptoms Of Overexposure:**

NO INFORMATION GIVEN ON MSDS BY MFR. SEE HEALTH HAZARDS.

**Medical Cond Aggravated By Exposure:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

**First Aid:**

EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MIN. GET MEDICAL ATTENTION. SKIN: FLUSH WITH LOTS OF WATER. ORAL CONTACT: RINSE MOUTH THOROUGHLY WITH WATER. DRINK WATER OR CITRUS JUICE TO DILUTE OR NEUTRALIZE ANY ALKALI SWALLOWED. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. INGEST: DO NOT INDUCE VOMITING. SEE A DOCTOR IMMEDIATELY.

**Spill Release Procedures:**

HANDLE FILM SO AS NOT TO BREAK DEVELOPER PODS PRIOR TO FILM DEVELOPMENT. SMALL QUANTITIES OF DEVELOPER FLUID MAY BE WIPED UP WITH A DAMP PAPER TOWEL USING CARE TO AVOID ANY SKIN OR EYE CONTACT.

**Neutralizing Agent:**

SUPPLIER LEFT THIS FIELD BLANK. HMIS:DILUTE ACID

**Waste Disposal Methods:**

PRODUCT (FILM PACK, PICTURE AND THROWAWAY PART) IS NOT CLASSIFIED OR REGULATED UNDER U. S. FEDERAL LAW AS "RCRA HAZARDOUS" BEFORE OR AFTER PROCESSING.

**Handling And Storage Precautions:**

NO INFORMATION GIVEN ON MSDS BY MFR.

**Other Precautions:**

NO INFORMATION GIVEN ON MSDS BY MFR.

## Fire and Explosion Hazard Information

**Flash Point Method:**

TCC

**Flash Point:****Flash Point Text:**

WILL NOT BURN

**Autoignition Temp:****Autoignition Temp Text:**

N/R 5

**Lower Limits:**

UNKNOWN

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

MIXTURE WILL NOT BURN.

**Fire Fighting Procedures:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

**Unusual Fire/Explosion Hazard:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State LTC No:**

NONE

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

UNKNOWN

**BP Text:**

212F/100C

**Melt / Freeze Pt:**

UNKNOWN

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

UNKNOWN

**Decomp Temp:**

UNKNOWN

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

UNKNOWN

**Vapor Density:**

UNKNOWN

**Volatile Org Content %:**

UNKNOWN

**Spec Gravity:**

1.1

**VOC Pounds/Gallon:**

UNKNOWN

**PH:**

>13

**VOC Grams/Liter:**

UNKNOWN

**Viscosity:**

UNKNOWN

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

MISCIBLE

**Appearance and Odor:**

CREAM, WHITE, TAN, GREY OR PINK VISCOUS FLUID.

**Percent Volatiles by Volume:**

85

**Corrosion Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

SUPPLIER SAID "MIXTURE IS CONSIDERED STABLE" AND DID NOT ADDRESS THIS FIELD.

**Materials To Avoid:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

**Hazardous Decomposition Products:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

SUPPLIER DID NOT ADDRESS THIS FIELD.

## 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

## LookChem

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