

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-55/55-31-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
55-31-2  
**Code:**  
M

**RTECS:**  
DO3150000  
**Code:**  
M

**Name:**  
EPINEPHRINE HYDROCHLORIDE

**Other REC Limits:**  
N/K

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

**OSHA STEL:**

**Code:**

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

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem  
**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
NOT NEEDED

**Ventilation:**  
MECHANICAL: RECOMMENDED.

**Protective Gloves:**  
NOT NECESSARY

**Eye Protection:**  
NOT NECESSARY

**Other Protective Equipment:**  
Equipment NOT NECESSARY

**Work Hygienic Practices:**  
NORMAL

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

## Health Hazards Data

**LD50LC50Mixture:**  
(ORAL MICE) LD50: 50 MG/KG

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
SKIN: PROLONGED CONTACT MAY CAUSE IRRITATION & FLUSHNESS. INGESTION: INCREASED HEART RATE, NAUSEA, NERVOUSNESS, HIGH PULSE, SWEATING, HEADACHES, DIABETES, & HYPERTHYROIDISM.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
SKIN: PROLONGED CONTACT MAY CAUSE IRRITATION & FLUSHNESS. INGESTION: INCREASED HEART RATE, NAUSEA, NERVOUSNESS, HIGH PULSE, SWEATING, HEADACHES, DIABETES, & HYPERTHYROIDISM.

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

**First Aid:**  
SKIN: WASH THOROUGHLY W/SOAP & WATER. INGESTION: INDUCE VOMITNG, DRINK WATER, REMAIN CALM.

**Spill Release Procedures:**  
SWEEP AREA & CLEAN W/SOAPY WATER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
NORMAL QUANTITIES MAY BE DISPOSED OF IN GARBAGE.

**Handling And Storage Precautions:**  
STORE IN DRY ENVIRONMENT.

**Other Precautions:**  
NONE

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R 2

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

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

**Fire Fighting Procedures:**  
SELF-CONTAINED BREATHING APPARATUS MAY BE NECESSARY FOR LARGE FIRES.

**Unusual Fire/Explosion Hazard:**  
NONE

## 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/K

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
N/R

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P 3

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

**Solubility in Water:**  
SLIGHT

**Appearance and Odor:**  
WHITE, TWISTED CORD W/ODOR OF EPINEPHRINE

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, LIGHT

**Materials To Avoid:**  
ALKALIES

**Hazardous Decomposition Products:**  
NONE

**Hazardous Polymerization Indicator:**  
NO

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

## 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