

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-521/521-24-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
521-24-4

**Code:**  
M

**RTECS:**  
QK1490000

**Code:**  
M

**Name:**  
1-NAPHTHALENESULFONIC ACID, 3,4-DIHYDRO-3,4-DIOXO

**Other REC Limits:**

N/K

**OSHA PEL:**  
NOT APPLICABLE

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT APPLICABLE

**Code:**  
M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NONE

**Ventilation:**

NONE RECOMMENDED BY MANUFACTURER.

**Protective Gloves:**

IMPERVIOUS GLOVES (FP N).

**Eye Protection:**

CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**

Equipment NONE

**Work Hygienic Practices:**

NONE SPECIFIED BY MANUFACTURER.

**Supplemental Safety and Health:**

4 NONE SPECIFIED BY MANUFACTURER.

## Health Hazards Data

**LD50/LC50 Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO 2

**Health Hazards Acute And Chronic:**

EYES AND SKIN: CAUSES IRRITATION.

**Explanation Of Carcinogenicity:**

NOT RELEVANT

**Signs And Symptoms Of Overexposure:**

NONE SPECIFIED BY MANUFACTURER.

**Medical Cond Aggravated By Exposure:**

NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MED ATTN. SKIN: WASH CONTAMINATED AREA WITH WATER. INGEST: GET MD IMMEDIATELY (FP N).

**Spill Release Procedures:**

WEARING SUITABLE PROTECTIVE CLOTHING, SWEEP MATERIAL ONTO PAPER. PLACE IN FIBER CARTON. INCINERATE. WASH SPILL AREA WELL WITH SOAP AND WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

WEARING SUITABLE PROTECTIVE CLOTHING, MAKE UP SMALL PACKAGES IN PAPER OR OTHER FLAMMABLE MATERIALS. INCINERATE. STATE AND LOCAL LAWS TAKE PRECEDENCE.

**Handling And Storage Precautions:**

NONE

**Other Precautions:**

NONE

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P 3

**Flash Point:**

**Flash Point Text:**

NOT APPLICABLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

CO<sub>2</sub>, DRY CHEMICAL, WATER.

**Fire Fighting Procedures:**

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT.

**Unusual Fire/Explosion Hazard:**

NONE

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

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**Boiling Point:**

**B.P. Text:**

N/K

**Melt/Freeze Pt:**

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

N/K

**Decomp Temp:**

**Decomp Text:**

N/K

**Vapor Pres:**

NEGLIGIBLE

**Vapor Density:**

9.0

**Volatile Org Content %:**

**Spec Gravity:**

>1.0

**VOC Pounds/Gallon:**

**pH:**

N/K

**VOC Grams/Liter:**

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

NOT APPLICABLE

**Solubility in Water:**

APPRECIABLE

**Appearance and Odor:**

ORANGE-BROWN CRYSTALLINE SOLID; ODORLESS.

**Percent Volatiles by Volume:**

NEGL

**Corrosion Rate:**

N/K

**Decomp Temp:**

**Decomp Text:**

N/K

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