

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-336/336-59-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

336-59-4

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

HEPTAFLUOROBUTYRIC ANHYDRIDE

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

N/K

**Code:**

M N/P

**ACGIH STEL:**

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**

1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**

ORGANIC VAPOR/ACID GAS RESPIRATOR.

**Ventilation:**

LOCAL EXHAUST/MECHANICAL EXHAUST RECOMMENDED.

**Protective Gloves:**

RUBBER/NEOPRENE

**Eye Protection:**

SAFETY GLASSES

**Other Protective Equipment:**

Equipment LABORATORY COAT.

**Work Hygienic Practices:**

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

BOILING POINT: 222.8F-228.2F.

## Health Hazards Data

**LD50/LC50/Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

CORROSIVE. MAY IRRITATE/BURN UPPER RESPIRATORY TRACT. WILL CAUSE SEVERE BURNS ON CONTACT W/SKIN & EYES.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

IRRITATION, BURNS.

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

SKIN/EYES: FLUSH AFFECTED AREAS W/COPIOUS AMOUNTS OF WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

COVER W/EXCESS SODIUM BICARBONATE/VERMICULITE. MIX & SCOOP INTO A CONTAINER. HOLD FOR PROPER WASTE DISPOSAL.

WASH SITE W/WATER.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

DISSOLVE/MIX THE MATERIAL W/A COMBUSTIBLE SOLVENT. BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**

STORE IN A TIGHTLY SEALED CONTAINER, IN A COOL DRY PLACE.

**Other Precautions:**

AVOID CONTACT W/SKIN & EYES. PROTECT FROM MOISTURE.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

NONE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

CO2, DRY CHEMICAL

**Fire Fighting Procedures:**

WEAR SCBA & FULL PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**

N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

N/A

**S.P. Text:**

(SEE SUPP)

**Melt/Freeze Pt:**

N/A

**N.P/F.P. Text:**

N/K

**Decomp Temp:**

N/A

**Decomp Text:**

N/A

**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:**

N/A

**Spec Gravity:**

1.67

**VOC Pounds/Gallon:**

N/A

**pH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P 3

**Evaporation Rate & Reference:**

N/A

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

CLEAR COLORLESS LIQUID W/SHARP ACIDIC ODOR.

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

N/K

**Reactivity Data:**

**Stability Indicator:**

NO

**Stability Condition To Avoid:**

MOISTURE-SENSITIVE

**Materials To Avoid:**

WATER

**Hazardous Decomposition Products:**

WHEN HEATED THE MATERIAL MAY EMIT HIGHLY TOXIC OXIDES OF CARBON. ON HYDROLYSIS, IT WILL FORM HEPTAFLUOROBUTYRIC ACID.

**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

**Information:**

N/P

**Information:</b**