## For R&D use only. Not for drug, household or other uses. Click <a href="http://www.lookchem.com/cas-283/2837-89-0.html">http://www.lookchem.com/cas-283/2837-89-0.html</a> for suppliers of this product.

MATERIAL SAFETY DATA SHEET

2837-89-0 Code: RTECS:

Other REC Limits: NONE RECOMMENDED

NOT ESTABLISHED

**OSHA PEL:** 

**OSHA STEL:** 

**ACGIH TLV:** 

**ACGIHSTEL:** 

Ventilation:

**Protective Gloves:** 

**Eye Protection:** 

Equipment N/P

**Other Protective Equipment:** 

Supplemental Safety and Health:

Health Hazards Data

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

**Health Hazards Acute And Chronic:** 

Signs And Symptions Of Overexposure:

**Medical Cond Aggravated By Exposure:** 

**Explanation Of Carcinogenicity:** 

**Spill Release Procedures:** 

**Waste Disposal Methods:** 

**Handling And Storage Precautions:** 

Fire and Explosion Hazard Information

WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED

THIS PRODUCT CAN BE DECOMPOSED BY HIGH TEMPERATURES (OPEN FLAMES, GLOWING METALS) FORMING HYDROGEN FLUORIDE,

**Neutralizing Agent:** 

**Other Precautions:** 

Flash Point Method:

**Work Hygienic Practices:** 

LD50LC50Mixture:

NΡ

NΡ

N/P3

N/P

Skin: N/P

N/P

IARC: N/P

OSHA: N/P

First Aid: N/P

N/P

N/P

NONE

N/R

N/R

G3

NRC/State LIC No: NOT RELEVANT

**Boiling Point:** 

Melt/Freeze Pt:

M.P/F.P Text:

**Decomp Temp:** 

**Decomp Text:** UNKNOWN

**Vapor Pres:** 2053 @ 70F

Vapor Density:

**Spec Gravity:** 

**VOC Pounds/Gallon:** 

**VOC Grams/Liter:** 

Solubility in Water: 1.71% (MIN) @ 75.2 F

**Corrosion Rate:** UNKNOWN

**Stability Indicator:** 

Materials To Avoid:

Information:N/P

Information:N/P

**Appearance and Odor:** 

**Percent Volatiles by Volume:** 

Reactivity Data

**Stability Condition To Avoid:** 

**Hazardous Decomposition Products:** 

**Hazardous Polymerization Indicator:** 

**Conditions To Avoid Polymerization:** 

**Toxicological Information** 

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

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Other Information:N/P

**MSDS Transport Information** 

**Evaporation Rate & Reference:** HIGH (N-BUTYL ACETATE=1)

COLORLESS GAS AT NORMAL TEMPERATURE AND PRESSURE - ETHEREAL ODOR

OPEN FLAMES, HEAT (ABOVE 125F/52C), GLOWING METAL SURFACES

ALKALI OR ALKALINE EARTH METALS, POWDERED ALUMINUM, ZINC, BERYLLIUM, AMINES, ACIDS, WATER, METAL CHLORIDES, METAL

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

WARRANTY

terms and conditions of sale.

1.32

PH: N/R

Viscosity: NOT RELEVANT

100

YFS

**OXIDES** 

N/P

Volatile Org Content %:

N/R

**B.P. Text:** 20.1F,-6.6C

**Net Prop WT For Ammo:** 

**Lower Limits:** 

**Upper Limits:** 

CONTAINERS.

**Extinguishing Media:** 

**Fire Fighting Procedures:** 

IN THE POSITIVE PRESSURE MODE.

HYDROGEN CHLORIDE AND TRACES OF CARBONYL HALIDES.

Physical/Chemical Properties

Unusual Fire/Explosion Hazard:

**Flash Point:** 

**Flash Point Text:** 

**Autoignition Temp:** 

**Autoignition Temp Text:** 

Ingestion: N/P

NOT ESTABLISHED

**Control Measures** 

**Respiratory Protection:** 

Code:

Code: Μ

NΡ Code:

Composition/Information on Ingredient

Code: Name: 2-CHLORO-1,1,1,2-TETRAFLUOROETHANE (SARA 313)