SIGMA-ALDRICH

Material Safety Data Sheet

			Version 3.1 Revision Date 06/18/2009 Print Date 03/27/2011
1. PRODUCT AND COMPANY ID	ENTIFICATION		
Product name	: Midazolam hydroch	lloride	
Product Number Brand	: UC429 : Sigma		
Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 631 USA	03	
Telephone	: +18003255832		
Fax Emergency Phone #	: +18003255052 : (314) 776-6555		
Emergency Fridne #	. (314) 770-0355		
2. COMPOSITION/INFORMATIO	N ON INGREDIENTS		
Synonyms	: 8-Chloro-6-(2-fluorophe imidazo[1,5a][1,4]benze	enyl)-1-methyl-4H- odiazepinehydrochloride	
Formula	: C ₁₈ H ₁₃ CIFN ₃ · HCI		
Molecular Weight	: 362.23 g/mol		
		ladau Na	Or a constant line
	EC-No.	Index-No.	Concentration
8-Chloro-6-(2-fluoropheny			
59467-96-8	261-776-6	-	-
3. HAZARDS IDENTIFICATION			
Emergency Overview			
OSHA Hazards Target Organ Effect			
Target Organs			
Central nervous system			
HMIS Classification Health Hazard: Chronic Health Hazard: Flammability: Physical hazards:	0 * 0 0		
NFPA Rating Health Hazard: Fire:	0 0		

Reactivity Hazard:

0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

Salety glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form solid

Safety data

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рН	no data available		
Melting point	no data available		
Boiling point	no data available		
Flash point	no data available		
Ignition temperature	no data available		
Lower explosion limit	no data available		
Upper explosion limit	no data available		
Water solubility	no data available		

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas, Hydrogen fluoride

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

Central nervous system depression, Confusion., Incoordination.

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.
Target Organs	Central nervous system,

Additional Information

RTECS: NI2922250

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

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IATA Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Target Organ Effect

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5a][1,4]benzodiazepine monohydrochloride

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CAS-No.

59467-96-8

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components		
8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5- a][1,4]benzodiazepine monohydrochloride	CAS-No. 59467-96-8	Revision Date
New Jersey Right To Know Components		
8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5- a][1,4]benzodiazepine monohydrochloride	CAS-No. 59467-96-8	Revision Date
California Prop. 65 Components WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. 8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5- a][1,4]benzodiazepine monohydrochloride	CAS-No. 59467-96-8	Revision Date 1990-07-01

16. OTHER INFORMATION

Further information

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