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# Safety Data Sheet acc. to OSHA HCS

Printing date 10/18/2023

Revision date 10/18/2023

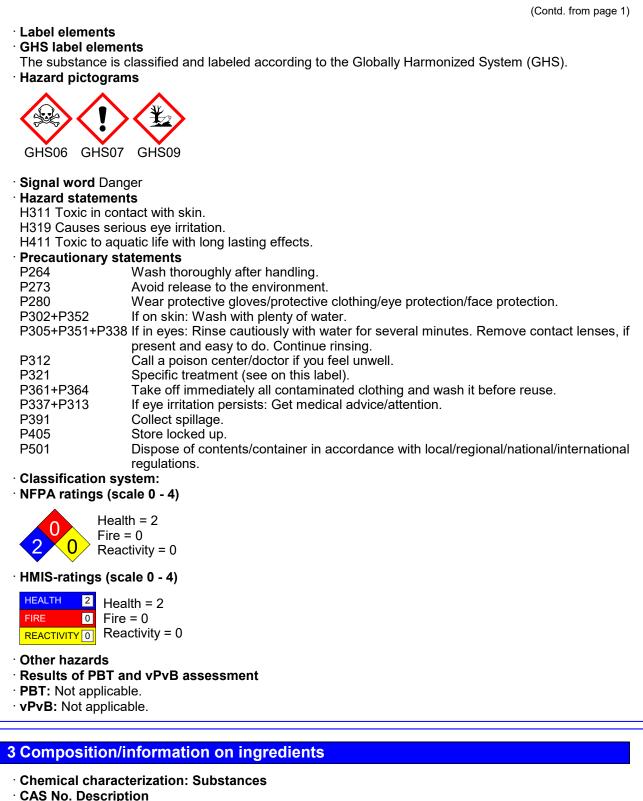
Product identifier	
Trade name: Flurido Synonym 1-methyl-3	one -phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone
	66 <b>ubstance / the mixture</b> search use - Not for human or veterinary diagnostic or therapeutic use.
Details of the suppli Manufacturer/Suppl Cayman Chemical Co 1180 E. Ellsworth Rd Ann Arbor, MI 48108 USA	).
Emergency telephor During normal openin	ig times: +1 (734) 971-3335
US/CĂNADA: 800-42 Outside US/CANADA	.: 703-741-5970
Outside US/CANADA	.: 703-741-5970
Outside US/CANADA Hazard(s) identif	:: 703-741-5970 ication
Outside US/CANADA Hazard(s) identif Classification of the GHS06 Sku	a: 703-741-5970 Fication E substance or mixture
Outside US/CANADA Hazard(s) identif Classification of the GHS06 Sku	a: 703-741-5970 ication substance or mixture Ill and crossbones hal 3 H311 Toxic in contact with skin.
Outside US/CANADA Hazard(s) identif Classification of the GHS06 Sku Acute Toxicity - Derm	a: 703-741-5970 ication substance or mixture Ill and crossbones hal 3 H311 Toxic in contact with skin.
Outside US/CANADA Hazard(s) identif Classification of the GHS06 Sku Acute Toxicity - Derm	a: 703-741-5970 ication substance or mixture III and crossbones III and crossbones III and S H311 Toxic in contact with skin.
Outside US/CANADA Hazard(s) identif Classification of the GHS06 Sku Acute Toxicity - Derm GHS09 Env Aquatic Chronic 2	a: 703-741-5970 ication substance or mixture III and crossbones III and crossbones III and S H311 Toxic in contact with skin.

Page 1/9

Printing date 10/18/2023

Revision date 10/18/2023

#### Trade name: Fluridone



59756-60-4 Fluridone

(Contd. on page 3)

-US

Printing date 10/18/2023

Revision date 10/18/2023

(Contd. from page 2)

#### Trade name: Fluridone

#### Identification number(s)

· EC number: 261-916-6

#### 4 First-aid measures

#### · Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

- In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

#### **5 Fire-fighting measures**

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- A solid water stream may be inefficient.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

#### 6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Dispose contaminated material as waste according to section 13.
- **Reference to other sections** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- PAC-1: Substance is not listed.
- **PAC-2:** Substance is not listed.
- **PAC-3:** Substance is not listed.

(Contd. on page 4)

Printing date 10/18/2023

Revision date 10/18/2023

(Contd. from page 3)

#### Trade name: Fluridone

7 Handling and storage

- · Handling:
- · Precautions for safe handling Thorough dedusting.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- Storage: Store in accordance with information listed on the product insert.
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- · Breathing equipment: Not required.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

US

Printing date 10/18/2023

Revision date 10/18/2023

(Contd. from page 4)

#### Trade name: Fluridone

· Eye protection:



Tightly sealed goggles

#### 9 Physical and chemical properties · Information on basic physical and chemical properties General Information · Appearance: Form: Solid Color: Not determined. · Odor: Characteristic · Structural Formula C19H14F3NO · Molecular Weight 329.3 g/mol · Odor threshold: Not determined. · pH-value: Not applicable. · Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: Undetermined. · Flash point: Not applicable. · Flammability (solid, gaseous): Product is not flammable. · Decomposition temperature: Not determined. · Ignition temperature: Not determined. Danger of explosion: Product does not present an explosion hazard. · Explosion limits: Lower: Not determined. Upper: Not determined. · Vapor pressure: Not applicable. · Density: Not determined. · Relative density Not determined. · Vapor density Not applicable. **Evaporation rate** Not applicable. · Solubility in / Miscibility with Water: Not determined. · Partition coefficient (n-octanol/water): Not determined. · Viscosity: **Dynamic:** Not applicable. **Kinematic:** Not applicable. DMF: 30 mg/ml; DMSO: 30 mg/ml; DMSO:PBS (pH 7.2) (1: SOLUBILITY 3): 0.25 mg/ml;Ethanol: 20 mg/ml (Contd. on page 6)

Printing date 10/18/2023

Revision date 10/18/2023

(Contd. from page 5)

#### Trade name: Fluridone

• Other information

No further relevant information available.

#### **10 Stability and reactivity**

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: strong oxidizing agents
- · Hazardous decomposition products: carbon oxides, hydrogen fluoride, nitrogen oxides

#### **11 Toxicological information**

- · RTECS Number UU7786500
- · Information on toxicological effects
- Acute toxicity:

#### · LD/LC50 values that are relevant for classification:

Oral LD50 >10 g/kg (mouse)

- >10 g/kg (rat)
- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) Substance is not listed.
- NTP (National Toxicology Program) Substance is not listed.
- · OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

#### **12 Ecological information**

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:
- Water hazard class 3 (Self-assessment): extremely hazardous for water
- Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.
- Also poisonous for fish and plankton in water bodies.
- Toxic for aquatic organisms

(Contd. on page 7)

Printing date 10/18/2023

Revision date 10/18/2023

(Contd. from page 6)

#### Trade name: Fluridone

· Results of PBT and vPvB assessment

- · PBT: Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

### **13 Disposal considerations**

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- **Recommendation:** Disposal must be made according to official regulations.

UN-Number DOT, IMDG, IATA	UN3288
UN proper shipping name DOT, IATA IMDG	Toxic solid, inorganic, n.o.s. (Fluridone) TOXIC SOLID, INORGANIC, N.O.S. (Fluridone)
Transport hazard class(es)	
DOT	
TOXIC 6	
Class	6.1 Toxic substances
Label	6.1
Class	6.1 Toxic substances
Label	6.1
Packing group DOT, IMDG, IATA	111
Environmental hazards:	Environmentally hazardous substance, solid
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Toxic substances 60 F-A,S-A A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

Printing date 10/18/2023

Revision date 10/18/2023

Trade name: Fluridone

	(Contd. from page 7
· Transport/Additional information:	
DOT	
· Quantity limitations	On passenger aircraft/rail: 100 kg On cargo aircraft only: 200 kg
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
IATA Remarks:	When sold in quantities of less than or equal to 1 mL, or 1 g, with an Excepted Quantity Code of E1, E2, E4, or E5, this item meets the De Minimis Quantities exemption, per IATA 2.6.10. Therefore packaging does not have to be labeled as Dangerous Goods/Excepted Quantity.
UN "Model Regulation":	UN 3288 TOXIC SOLID, INORGANIC, N.O.S. (FLURIDONE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

#### **15 Regulatory information**

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

· Section 355 (extremely hazardous substances): Substance is not listed.

- Section 313 (Specific toxic chemical listings): Substance is not listed.
- TSCA (Toxic Substances Control Act): ACTIVE
- · Hazardous Air Pollutants Substance is not listed.
- · Proposition 65
- · Chemicals known to cause cancer: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- · Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- Chemicals known to cause developmental toxicity: Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) Substance is not listed.
- · TLV (Threshold Limit Value) Substance is not listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **16 Other information**

All chemicals may pose unknown hazards and should be used with caution. This SDS applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. Cayman Chemical Company assumes no responsibility for incidental or consequential damages, including lost profits, arising from the use of these data. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Cayman Chemical Company assumes no responsibility for the completeness or accuracy of the information contained herein.

(Contd. on page 9)

US

Printing date 10/18/2023

Revision date 10/18/2023

### Trade name: Fluridone

<ul> <li>Department issuing SDS: Environment protection department.</li> <li>Contact: -</li> <li>Date of preparation / last revision 10/18/2023</li> <li>Abbreviations and acronyms: <ul> <li>IMDG: International Maritime Code for Dangerous Goods</li> <li>DOT: US Department of Transportation</li> <li>IATA: International Air Transport Association</li> <li>EINECS: European Inventory of Existing Commercial Chemical Substances</li> <li>CAS: Chemical Abstracts Service (division of the American Chemical Society)</li> <li>NFPA: National Fire Protection Association (USA)</li> <li>HMIS: Hazardous Materials Identification System (USA)</li> <li>LC50: Lethal concentration, 50 percent</li> </ul> </li> </ul>
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LC50: Lethal concentration, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Óccupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Toxicity - Dermal 3: Acute toxicity - Category 3
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
Aquatic Active 2: hazardous to the aquatic environment - long-term aquatic hazard – Category 2
* * Data compared to the previous version altered.
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