

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-T-54739
<b>Product Name</b>	Fluazinam
<b>CAS No.</b>	79622-59-6
<b>Category</b>	Pesticide Standards
<b>Synonyms</b>	3-Chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridina mine
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

- Skin irritation (Category 2)
- Serious eye damage/eye irritation (Category 2)
- Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

H332	Harmful if inhaled.
H400	Not available
H410	Not available
H315	Causes skin irritation.
H361	Not available
H373	Not available
H336	Not available
H351	Not available
H360	Not available
H370	Not available
H372	Not available
H319	Causes serious eye irritation.
H330	Not available

### Precautionary Statement(s)

Code	Statement
P203	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264+P265	Not available
P271	Use only outdoors or in a well-ventilated area.
P272	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P354+P338	Not available
P317	Not available
P318	Not available
P321	Specific treatment (see ... on this label).
P333+P317	Not available

P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P260	Not available
P264	Wash hands thoroughly after handling.
P319	Get medical help if you feel unwell.
P332+P317	If skin irritation occurs: Get medical help.
P270	Not available
P308+P316	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P284	Not available
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P316	Not available
P320	Not available
P337+P317	If eye irritation persists: Get medical help.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Fluazinam

CAS Number : 79622-59-6

Molecular Formula : C<sub>14</sub>H<sub>8</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight : 465.09 g/mol

Parent Chemical : -

Synonyms : 3-Chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine

Concentration : Not available

### SECTION 4: First aid measures

Not available

### SECTION 5: Firefighting measures

Not available

## SECTION 6: Accidental release measures

Not available

## SECTION-7: Handling and storage

Not available

## SECTION 8: Exposure controls / personal protection

Not available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available

Property	Value
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

### SECTION 10: Stability and reactivity

Not available

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: LC50 (rat) = 463 mg/m<sup>3</sup> /LABORATORY ANIMALS: Acute Exposure/ The formulated product, Allegro 500F, containing 40% technical, was of low acute toxicity by the oral and inhalation routes in Sprague-Dawley rats and by the dermal route in New Zealand White rabbits. It was minimally irritating when applied to the skin of New Zealand White rabbits and moderately irritating when instilled into the eyes of the same species. Results of skin sensitization testing in guinea pigs, using the Buehler method, were positive. /Allegro 500F/
- Skin corrosion/irritation: /SIGNS AND SYMPTOMS/ There has been a history of skin irritation and sensitization associated with the repeated application of fluazinam in agriculture use. /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ A short-term dermal study showed some skin irritation after repeated applications of fluazinam to the shaved skin of albino rats. Clinical signs included decreased body weight and increased absolute and relative liver weights and hepatocellular hypertrophy.
- Serious eye damage/eye irritation: Fluazinam can cause eye irritation and moderate skin sensitization.
- Respiratory or skin sensitization: Fluazinam can cause eye irritation and moderate skin sensitization. /SIGNS AND SYMPTOMS/ There has been a history of skin irritation and sensitization associated with the repeated application of fluazinam in agriculture use.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: Cancer Classification: Suggestive Evidence of Carcinogenicity to Humans Fluazinam increases the risks of thyroid gland follicular cell and hepatocellular tumors in rats and mice. According to The Cancer Assessment Review Committee (CARC), there is suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential.
- Reproductive toxicity: /AQUATIC SPECIES/ The 34 day chronic early life stage NOEC for fathead minnow based on mortality and hatching success were 5.3 and 10 ug a.i./L, respectively. The 278 day chronic full life cycle NOEC (F0 generation) values based on survival and reproductive success were 6.4 and 2.9 ug a.i./L, respectively. The NOEC (F1 generation) values based on hatching success was 0.69 ug a.i./L. Based on the results of this study, the most sensitive endpoint was F1 generation hatching success. /AQUATIC SPECIES/ Chronic toxicity to invertebrates are only represented through the Daphnia magna life cycle where the NOAEC was calculated at 0.068 ppm and the LOAEC at 0.140 ppm. The endpoints affected for this study were reproductive (reduced number of young per female) and growth effects.

- STOT-single exposure: /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ In subchronic and chronic oral, dermal and inhalation studies in rats, dogs and mice, the liver was a major target organ and signs of liver toxicity were regularly observed in many studies. These signs included changes in clinical chemistries indicative of liver toxicity, increased absolute and/or relative liver weights, increased incidences of macroscopic liver lesions and increased incidences of a variety of microscopic liver lesions.

- STOT-repeated exposure: /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ In subchronic and chronic oral, dermal and inhalation studies in rats, dogs and mice, the liver was a major target organ and signs of liver toxicity were regularly observed in many studies. These signs included changes in clinical chemistries indicative of liver toxicity, increased absolute and/or relative liver weights, increased incidences of macroscopic liver lesions and increased incidences of a variety of microscopic liver lesions. /LABORATORY ANIMALS: Subchronic or Prechronic Exposure/ A short-term dermal study showed some skin irritation after repeated applications of fluazinam to the shaved skin of albino rats. Clinical signs included decreased body weight and increased absolute and relative liver weights and hepatocellular hypertrophy.

- Aspiration hazard: No data available.

Likely routes of exposure

- /LABORATORY ANIMALS: Acute Exposure/ The formulated product, Allegro 500F, containing 40% technical, was of low acute toxicity by the oral and inhalation routes in Sprague-Dawley rats and by the dermal route in New Zealand White rabbits. It was minimally irritating when applied to the skin of New Zealand White rabbits and moderately irritating when instilled into the eyes of the same species. Results of skin sensitization testing in guinea pigs, using the Buehler method, were positive. /Allegro 500F/

Symptoms related to the physical, chemical and toxicological characteristics

- /SIGNS AND SYMPTOMS/ There has been a history of skin irritation and sensitization associated with the repeated application of fluazinam in agriculture use.

### SECTION 12: Ecological information

Not available

### SECTION 13: Disposal considerations

Not available

### SECTION 14: Transport information

Not available

### SECTION 15: Regulatory information

Not available

### SECTION 16: Other information

Not available

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