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

Catalogue Number	CS-EJ-00059
Product Name	Crimidine
CAS No.	535-89-7
Category	Pesticide Standards
Synonyms	2-chloro-N,N,6-trimethylpyrimidin-4-amine; 2-Chloro-4-methyl-6-dimethylaminopyrimidine
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email **sales@clearsynth.com** for more details.

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

Not available

2.2 Label Elements

Signal Word: Warning

Hazard Statement(s)

Code	Statement
H300	Not available

Precautionary Statement(s)

Code	Statement

P264	Wash hands thoroughly after handling.
P270	Not available
P301+P316	Not available
P321	Specific treatment (see … on this label).
P330	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Crimidine
CAS Number : 535-89-7
Molecular Formula : C7H10ClN3
Molecular Weight : 171.628
Parent Chemical : -
Synonyms : 2-chloro-N,N,6-trimethylpyrimidin-4-amine; 2-Chloro-4-methyl-6-dimethylaminopyrimidine
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures
General advice: Remove from exposure. Show this SDS to the physician in attendance.
Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.
Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.
Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Not available.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to surrounding fire (water spray, alcohol-resistant foam, dry chemical, carbon dioxide).
Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture
May decompose under fire conditions to release hazardous fumes/gases. Specific decomposition products: Not available.

5.3 Advice for firefighters
Wear self-contained breathing apparatus (SCBA) and full protective gear. Use water spray to cool unopened containers. Avoid inhalation of combustion products.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation and inhalation. Provide adequate ventilation. Use appropriate personal protective equipment.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent entry into drains, surface waters, or soil.

6.3 Methods and material for containment and cleaning up
Contain spill. Collect using methods that minimize dust generation (e.g., dampened absorbent or HEPA-filtered vacuum). Place in suitable, closed container for disposal. Clean contaminated area.

6.4 Reference to other sections
See Section 8 for personal protective equipment and Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing dust/vapors. Use with adequate ventilation. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
Store tightly closed in original container in a cool, dry, well-ventilated place. Protect from moisture. Keep away from incompatible materials. Incompatibilities: Not available.

7.3 Specific end use(s)
Pesticide standard / laboratory use. Specific end uses: Not available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Occupational exposure limits: Not available.
Biological limit values: Not available.

8.2 Exposure controls
Engineering controls: Use local exhaust ventilation or other engineering controls to maintain airborne levels below applicable exposure limits (if established). Provide eyewash station and safety shower.
Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not available). Wear protective clothing.
- Respiratory protection: If ventilation is inadequate or dust is generated, use appropriate respiratory protection. Specific respirator type: Not available.
- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands and exposed skin after handling.

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	2.7
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
l) Explosion Limit, Upper	No data available

Property	Value
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

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat, open flames, and sources of ignition. Avoid dust generation. Other conditions: Not available.

10.5 Incompatible materials
Not available.

10.6 Hazardous decomposition products
Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: /SIGNS AND SYMPTOMS/ Crimidine (2 chloro, 4 methyl, 6 dimethyl amidopyrine) is a synthetic rodenticide which causes acute poisonings after oral ingestion in /humans/. Major toxic effects are consciousness disorders, hypertonic coma and convulsions. Toxic level in human is about 5 mg/kg. An intoxication case is reported. Five serums collected at different times were analyzed ... Serum levels varied from 368 micrograms/L for H0 to 64 micrograms/L for H10 and elimination of crimidine was linear in time. /LABORATORY ANIMALS: Acute Exposure/ Crimidine is a rapidly acting convulsant pyridoxine antagonist whose effects became apparent within 20-40 minutes and which effects all species similarly. However, convulsions rarely occur in poultry, the usual sign being ptosis and somolence. There are no age and sex differences in its action on species. Poisoned rats are not toxic to predators. The clinical signs observed in crimidine poisoned dogs include convulsions, salivation, restlessness, fright, and muscular trembling.
- Skin corrosion/irritation: /SIGNS AND SYMPTOMS/ Short Term Exposure: Contact can cause eye and skin irritation and burns. Inhalation can irritate the nose and throat. Exposure may result in serious central nervous system damage with anxiety, restlessness, muscle stiffness, light sensitivity, noise sensitivity, touch sensitive, cold sweat, and leading to convulsions that may be fatal. If patient survives 5 - 6 hours there may not be serious problems. Extremely toxic; ... probable oral lethal dose in humans is less than 5 mg/kg or less than 7 drops for a 70

kg (150 lb) person. Long Term Exposure: Chronic health effects are unknown at this time
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: /SIGNS AND SYMPTOMS/ Short Term Exposure: Contact can cause eye and skin irritation and burns. Inhalation can irritate the nose and throat. Exposure may result in serious central nervous system damage with anxiety, restlessness, muscle stiffness, light sensitivity, noise sensitivity, touch sensitive, cold sweat, and leading to convulsions that may be fatal. If patient survives 5 - 6 hours there may not be serious problems. Extremely toxic; ... probable oral lethal dose in humans is less than 5 mg/kg or less than 7 drops for a 70 kg (150 lb) person. Long Term Exposure: Chronic health effects are unknown at this time /AQUATIC SPECIES/ The accumulation of crimidine in total samples and in some organs of 5 fish species was studied under experimental conditions. The species were Cyprinus carpio, Carassius carassius, Tinca tinca, Scardinius erythrophthalamus, and Leucaspius delineatus. Fish were exposed to concn of 10 and 50 mg/L. During short-term expt, water and fish samples were taken at intervals of 6, 12, 24, 48, and 72 hr; during the long-term expt, sampling was performed weekly for 6 wk. Total samples were analyzed for Carassius carassius, Tinca tinca, Scardinius erythrophthalamus, and Leucaspius delineatus. Samples of individual organs and tissues were taken as follows: Cyprinus carpio-gills, digestive tract, muscular tissue, kidneys, gonads; Carassius carassius-gills, digestive tract, muscular tissue, ovaries, testes. Crimidine was determined by gas chromatog. The accumulation capacity of individual fish species did not differ greatly. Of the internal organs, only the kidneys had a high accumulation capacity; otherwise, the highest values were found in muscular tissue and the gills. After 1-3 wk, the amt of crimidine in most organs falls, and after transfer to clean water there is a general sharp decline. The authors concluded that crimidine is not firmly bound in the body.
- Aspiration hazard: No data available.

Likely routes of exposure
- /SIGNS AND SYMPTOMS/ Short Term Exposure: Contact can cause eye and skin irritation and burns. Inhalation can irritate the nose and throat. Exposure may result in serious central nervous system damage with anxiety, restlessness, muscle stiffness, light sensitivity, noise sensitivity, touch sensitive, cold sweat, and leading to convulsions that may be fatal. If patient survives 5 - 6 hours there may not be serious problems. Extremely toxic; ... probable oral lethal dose in humans is less than 5 mg/kg or less than 7 drops for a 70 kg (150 lb) person. Long Term Exposure: Chronic health effects are unknown at this time

Symptoms related to the physical, chemical and toxicological characteristics
- /SIGNS AND SYMPTOMS/ Short Term Exposure: Contact can cause eye and skin irritation and burns. Inhalation can irritate the nose and throat. Exposure may result in serious central nervous system damage with anxiety, restlessness, muscle stiffness, light sensitivity, noise sensitivity, touch sensitive, cold sweat, and leading to convulsions that may be fatal. If patient survives 5 - 6 hours there may not be serious problems. Extremely toxic; ... probable oral lethal dose in humans is less than 5 mg/kg or less than 7 drops for a 70 kg (150 lb) person. Long Term Exposure: Chronic health effects are unknown at this time

SECTION 12: Ecological information

SECTION 12: Ecological information

12.1 Toxicity
Not available.

12.2 Persistence and degradability
Not available.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil
Not available.

12.5 Results of PBT and vPvB assessment
Not available.

12.6 Endocrine disrupting properties
Not available.

12.7 Other adverse effects
Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge to drains or the environment.
Product: Dispose of as hazardous waste unless regulations indicate otherwise.
Contaminated packaging: Dispose of as unused product or according to local requirements.
Waste code: Not available.

SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number
Not available.

14.2 UN proper shipping name
Not available.

14.3 Transport hazard class(es)
Not available.

14.4 Packing group
Not available.

14.5 Environmental hazards
Not available.

14.6 Special precautions for user
Not available.

14.7 Maritime transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Not available.

15.2 Chemical safety assessment
Not available.

SECTION 16: Other information

SECTION 16: Other information

Product name: Crimidine
Catalog No.: CS-EJ-00059
CAS No.: 535-89-7
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Supplier: Clearsynth Labs Ltd., Mumbai, India
Emergency phone: +91-22-245045900

Revision date: Not available
SDS version: Not available

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