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

Catalogue Number	CS-O-63234
Product Name	Perfluoropropionyl chloride
CAS No.	422-59-3
Category	Fine Chemicals
Synonyms	2,2,3,3,3-pentafluoropropanoyl chloride
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: Not available

Not available

Hazard Statement(s)

Code	Statement
Not available	Not available

Precautionary Statement(s)

Code	Statement
Not available	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Perfluoropropionyl chloride
CAS Number : 422-59-3
Molecular Formula : C3ClF5O
Molecular Weight : 182.47
Parent Chemical : -
Synonyms : 2,2,3,3,3-pentafluoropropanoyl chloride
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures
- General advice: Remove contaminated clothing and shoes. Seek medical attention if symptoms occur or persist.
- Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Immediately wash with plenty of water. Seek medical attention if irritation or burns develop.
- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.
- Ingestion: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed
- Corrosive effects possible; may cause severe irritation/burns to eyes, skin, and respiratory tract.
- Additional symptoms/effects: Not available.

4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically. Specific antidote: Not available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media
- Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire (e.g., dry chemical, carbon dioxide, alcohol-resistant foam).
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture
- May release hazardous decomposition products under fire conditions.
- Hazardous combustion/decomposition products: Not available.

5.3 Advice for firefighters
- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel. Ensure adequate ventilation.
- Avoid breathing vapors/mists. Avoid contact with skin and eyes.
- Wear appropriate PPE (see Section 8).

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

6.3 Methods and material for containment and cleaning up
- Contain spill with inert absorbent material.
- Collect in suitable, labeled containers for disposal.
- Decontamination procedures: Not available.

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 a chemical fume hood or with local exhaust ventilation.
- Avoid breathing vapors/mists and avoid contact with skin and eyes.
- Keep container tightly closed. Use corrosion-resistant equipment where applicable.
- Do not eat, drink, or smoke when using this product. Wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities
- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed and properly labeled.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)
- Fine chemical / laboratory use. Specific 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 fume hood. Provide eyewash station and safety shower.
- Personal protective equipment (PPE):
- Eye/face protection: Chemical safety goggles and/or face shield as appropriate.
- Skin protection: Chemical-resistant gloves; protective clothing. Specific glove material: Not available.
- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection. Specific respirator type: Not available.
- Hygiene measures: Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

- Environmental exposure controls: Avoid release to the environment; use appropriate containment.

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
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

SECTION 10: Stability and reactivity

10.1 Reactivity
- Reactivity: Not available.

10.2 Chemical stability
- Stable under recommended storage conditions. Additional information: Not available.

10.3 Possibility of hazardous reactions
- Hazardous reactions: Not available.

10.4 Conditions to avoid
- Moisture/humidity. 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: No data available.
- Skin corrosion/irritation: No data available.
- 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: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure
- No data available.

Symptoms related to the physical, chemical and toxicological characteristics
- Not available.

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.
- Recommended disposal method: Not available.
- Contaminated packaging: Dispose of as hazardous waste unless cleaned according to applicable regulations.

SECTION 14: Transport information

SECTION 14: Transport information

- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- 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: Perfluoropropionyl chloride

- Synonyms: 2,2,3,3,3-pentafluoropropanoyl chloride
- CAS No.: 422-59-3
- Catalog No.: CS-O-63234
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer
- The information provided is based on available product identification details and is intended for SDS authoring support. No data available for several endpoints; users must verify applicability and compliance with all applicable regulations.

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