

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

Catalogue Number	CS-O-47216
Product Name	Perfluorooctylsulfonic Acid-13C8 50 µg/mL in Methanol
CAS No.	2265893-05-6
Category	Stable Isotopes
Synonyms	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic-1,2,3,4,5,6,7,8-13C8 acid
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 : Perfluorooctylsulfonic Acid-13C8 50 µg/mL in Methanol

CAS Number : 2265893-05-6

Molecular Formula : $C_{13}H_{17}F_{17}O_4S$

Molecular Weight : 508.06

Parent Chemical : .

Synonyms : 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonic-1,2,3,4,5,6,7,8-13C8 acid

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice:

- Show this safety data sheet to the doctor in attendance.
- Move affected person to fresh air. Keep at rest.

Inhalation:

- If breathed in, move person into fresh air.
- If symptoms persist, get medical attention.

Skin contact:

- Remove contaminated clothing and shoes.
- Wash skin with soap and plenty of water.
- 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.
- Get medical attention if irritation persists.

Ingestion:

- Rinse mouth with water.
- Do NOT induce vomiting unless directed by medical personnel.
- Get 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 local circumstances and the surrounding environment.

- Not available.

Unsuitable extinguishing media:

- Not available.

5.2 Special hazards arising from the substance or mixture

- Methanol solution: flammable liquid/vapour hazard expected.

- Hazardous combustion products may include carbon oxides, hydrogen fluoride, sulfur oxides, and other fluorinated decomposition products.

- Not available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.

- Cool unopened containers with water spray.

- Prevent fire-fighting water from entering drains or watercourses.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.

- Provide adequate ventilation.

- Avoid breathing vapours/mist.

- Wear appropriate personal protective equipment (see Section 8).

- Eliminate all ignition sources (methanol solution).

6.2 Environmental precautions

- Avoid release to the environment.

- Prevent further leakage or spillage if safe to do so.

- Prevent entry into waterways, drains, basements or confined areas.

6.3 Methods and material for containment and cleaning up

- Contain spill.

- Absorb with inert material (e.g., sand, silica gel, universal binder).

- Collect in suitable, closed container for disposal.

- Clean contaminated area with water and detergent; avoid generating aerosols.

6.4 Reference to other sections

- See Section 8 for personal protective equipment.

- See Section 13 for disposal considerations.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- For laboratory/research use.

- Avoid contact with skin and eyes.

- Avoid breathing vapours/mist.

- Use only with adequate ventilation.

- Keep away from heat/sparks/open flames/hot surfaces (methanol solution).
- Use non-sparking tools and explosion-proof equipment where applicable.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Keep away from ignition sources.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- Analytical/research standard. Not for food, drug, or household use.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

- Methanol: Not available.
- Perfluorooctylsulfonic Acid-13C8: 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:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Wear protective gloves (chemical-resistant).
- Wear lab coat or protective clothing.

Respiratory protection:

- If ventilation is inadequate, use appropriate respiratory protection.
- Not available.

Hygiene measures:

- Handle in accordance with good industrial hygiene and safety practice.
- Remove contaminated clothing and wash before reuse.

Environmental exposure controls:

- Avoid release to the environment.

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

- Not available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- Not available.

10.4 Conditions to avoid

- Heat, flames, sparks, and other ignition sources (methanol solution).
- Incompatible conditions: Not available.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- May form carbon oxides, hydrogen fluoride, sulfur oxides, and other fluorinated compounds under fire/thermal decomposition.
- 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

- No data available.

12.2 Persistence and degradability

- No data available.

12.3 Bioaccumulative potential

- No data available.

12.4 Mobility in soil

- No data available.

12.5 Results of PBT and vPvB assessment

- Not available.

12.6 Endocrine disrupting properties

- Not available.

12.7 Other adverse effects

- Avoid release to the environment.

- No data available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/unused material:

- Dispose of contents/container in accordance with local/regional/national/international regulations.

- Treat as hazardous waste due to methanol content and fluorinated sulfonic acid component.

Contaminated packaging:

- Dispose of as unused product.

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 identifier:

- Product name: Perfluorooctylsulfonic Acid-13C8 50 µg/mL in Methanol
- Catalog No.: CS-O-47216
- CAS No.: 2265893-05-6
- Synonyms: 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonic-1,2,3,4,5,6,7,8-13C8 acid
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Recommended use:

- Laboratory/research use only.

Revision information:

- Not available.

Disclaimer:

- The information provided is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The supplier shall not be held liable for any damage resulting from handling or from contact with the above product.

DISCLAIMER

This MSDS is system-generated. Please verify and confirm all data, statements, and values with the Support Team before use or distribution.