

1. Identification

Identification of the substance

Identification of the substance 2-Chloro-1,3-bis(dimethylamino)trimethinium hexafluorophosphate

Additional identification

Biosynth catalog no. FC35481

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

Use of the substance/preparation

Identified uses basic Intermediates

Restriction on use not for food or drug use, for laboratory use only

Details of the Manufacturer/supplier of the safety data sheet

Cocreate Global Technologies Private Limited (Scimplify) FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.
Email: info@scimplify.com Website: www.scimplify.com

2. Hazards identification

Health Hazards

Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2)

Single exposure: Respiratory tract irritation (Category 3)

Environmental Hazards

not classified

Physical Hazards

not classified

Possible Hazards (Summary) GHS

Labeling

Symbol

GHS07

exclamation mark

Pictogram



Signal Word

Warning	Warning
Hazard Statement	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary Statement	
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection. P302
	IF ON SKIN:
P352	Wash with plenty of soap and water.
P304	IF INHALED:
P340	Remove casualty to fresh air and keep at rest in position comfortable for breathing. P305
	IF IN EYES:
P351	Rinse cautiously with water for several minutes.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition/information on ingredients

Substance related information

Substance name	2-Chloro-1,3-bis(dimethylamino)trimethinium hexafluorophosphate
Synonyms	
Cas No.	[249561-98-6]
Formula	$C_7H_{14}ClN_2 \cdot PF_6$

First aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

4. Firefighting measures

Extinguishing Media Suitable

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

5. Accidental release measures

Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

6. Handling and storage

Handling

Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage

Storage temperature store

at 10°C - 25°C **Storage**

Requirements

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

7. Exposure controls/personal protection

Exposure controls

Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment

Respiratory Protection

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

8. Physical and chemical properties

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Color

white

Form

powder

Molar Mass

306.62 g/mol

9. Stability and reactivity

Conditions to Avoid

incompatible materials

Substances to Avoid

strong oxidizers

Decomposition Products

nitrogen oxides (NO_x), phosphorus oxides, carbon dioxide (CO₂), hydrogen chloride (HCl), hydrogen fluoride, carbon monoxide

10. Toxicological information

Other Relevant Toxicity Information

We are not aware of any toxicology data.

11. Ecological Information

Biodegradation

no data available

Bioaccumulation

no data available

Distribution in Environment

no data available

12. Disposal considerations

Advice on Disposal and Packaging

Advice on Disposal

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging

not available

13. Transport information

Road Transport (ADR/GGVs)

not regulated

Air Transport (IATA)

not regulated

14. Other regulations

Other Regulations not

available

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Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
2-Chloro-1,3-bis (dimethylamino) trimethinium hexafluorophosphate	-----	-----	-----

15. OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text