

MATERIAL SAFETY DATA SHEET

1. Identification of the product and of the company

Identification of the product catalogue No.: PID Pre-Filter Tube Benzene C₆H₆
Product Name: ION SCIENCE PRE-FILTER TUBE **BENZENE-C₆H₆**
Manufacture /supplier identification Company: Uniphos Envirotronic Pvt. Ltd
A United Phosphorus Ltd group company
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2. Chemical identification of ingredients

Inert porous carrier material impregnated with chromium trioxide and sulphuric acid sealed in a glass tube.

CAS NUMBER	INGREDIENTS	mg/tube	PERCENTAGE	Chemical formula
7631-86-9	Silica gel	> 450	> 75	SiO ₂
7664-93-9	Sulphuric acid	< 133	< 22	H ₂ SO ₄
1333-82-0	Chromium trioxide	< 14	< 2.3	CrO ₃

Hazardous information of ingredients

Exposure Limit: Short-term: N/A
Long-term: N/A

In our experience, there is no release of these chemicals from the glass tube under normal use.

3. Hazards identification

Hazards information: Glass hazard

4. First aid measures (in the case of contact with the content of a broken tube).

Skin contact: Wash affected area with copious amount of water.
Eye contact: Wash eyes immediately with copious amount of water or normal saline solution. Lift eyelids and rinse for at least 15 minutes. Seek medical attention.
Ingestion: Seek medical attention immediately.

5. Fire fighting measures

Flash point: No data available.
Extinguishing media: All known extinguishable can be used.
Special fire fighting procedures: None.
Unusual fire and Explosion hazards: Negligible fire hazard when exposed to heat or fire.

6. Accidental release measures

Do not pick up broken glass with bare hands if the tube is broken. Contain any larger leaks using a plastic vessel. Cover with lime sand or soda ash. Very small leaks may be diluted with plenty of water or water mixture. Neutralize washings with calcium carbonate or dilute caustic and dispose of them according with local, State Federal and Provincial regulations.

7. Handling and storage

Handling and use: Ensure the instructions for use are followed. Safety glasses and gloves should be worn to prevent injury from splintering glass.
Storage: Keep away from direct sunlight and store between 0 - 10 °C.

8. Exposure control / personal protection

Avoid skin contact through use of personal protective equipment. Avoid inhalation or ingestion. Wear safety glasses and protective gloves.

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Exposure Limits

Component	USA-OSHA PEL(TWA)	ACGIH (TWA)	NIOSH(TWA)
Sulfuric Acid (CAS 7664-93-9)	1mg/m ³	0.2mg/m ³	1 mg/m ³
Silicon Dioxide (CAS 7631-86-9)	6mg/m ³	10mg/m ³	6mg/m ³
Chromium Compounds	0.5mg/m ³	0.5 mg/m ³	0.5 mg/m ³

9. Physical / Chemical properties

Appearance:	White and orange colour grains sealed in a glass tube.
Boiling point:	No data available.
Melting point:	No data available.
Specific gravity (water = 1):	No data available.
Solubility in water:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.

10. Stability and Reactivity

Stability:	Stable under ambient temperatures and pressure.
Incompatibilities:	Not applicable.
Hazardous decomposition products:	None.
Hazardous polymerization:	None.

11. Toxicological information

General:	In our experience this products (PID Pre-filter Tube Benzene) is not harmful to health when correctly used / handled.
Skin contact:	Content may be irritation to the skin if the tube broken.
Eye contact:	Content may be irritation to the eyes if the tube broken.
Ingestion:	Glass hazard. Get medical attention immediately.

12. Ecological information

General:	Do not allow to enter drinking supplies.
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13. Disposal considerations

General:	Dispose of in accordance with local, State, Federal or provincial Regulations.
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14. Transport information

General:	This product does not pose significant risk to health, safety or property.
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15. Regulatory information

General:	Not classified hazardous under CHIP2 Regulation as this product consist of a sealed glass tube containing inert material with very small quantity of chemicals.
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16. Other information:

Details given in this document are believed to be correct at the time of going to press. While proper care has been taken in the preparation of this document, but we cannot guarantee its accuracy or completeness, therefore we disclaim any liability for injury or damage when the product is used for other purpose than it is intended.