

Ventilation Smoke Tubes

D050012801

Revision No: 4.00

Revision date: 19.03.2016

Print date: 19.03.2016

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier: Ventilation Smoke Tubes
Relevant identified uses of the substance or mixture and uses advised against
Uses advised against: The product is to be used exclusively for the applications named in the directions for use.

Details of the supplier of the safety data sheet

Company name: UNIPHOS ENVIROTRONIC PVT. LTD.
Street: Readymoney Terrace 167, Dr. Annie Besant Road, Worli
Place: Mumbai 400018, India
Telephone: +91 22 61233500
Telefax: +91 22 24978119
Emergency telephone: +91 22 61233500

Further Information: Apply Safety data sheet to the following products:
Part-No.
D5019704

2. Hazards identification

Classification of the substance or mixture: Indications of danger: Irritant
R-phrases:
Irritating to eyes, respiratory system and skin.

Label elements

Danger symbols:



Xi - Irritant

Xi - Irritant

R phrases: 36/37/38 Irritating to eyes, respiratory system and skin.
S phrases: 02 Keep out of the reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of Water.
46 If swallowed, seek medical advice immediately and show this container or label.

3. Composition/information on ingredients

Mixtures

Chemical characterization: Sealed glas tube, filled with pumice.

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Hazardous components

| EC No | Chemical name | Quantity |
|--------------|---|----------|
| CAS No | Classification | |
| Index No | GHS classification | |
| REACH No | | |
| 231-588-9 | Stannic chloride, tin tetrachloride | 1 - 9 % |
| 7646-78-8 | C R34-52-53 | |
| 050-001-00-5 | Skin Corr. 1B, Aquatic Chronic 3; H314 H412 | |

Full text of R- and H-phrases: see section 16.

4. First aid measures

Description of first aid measures

After inhalation:

Not applicable for intact detector tubes.
When indicator material is spilled: Call a physician immediately.

After contact with skin:

Not applicable for intact detector tubes.
When indicator material is spilled: Wash off immediately with plenty of water.

After contact with eyes:

Not applicable for intact detector tubes.
When indicator material is spilled: Rinse immediately with plenty of water, also under the eyelids. Consult an ophthalmologist immediately.

After ingestion:

Not applicable for intact detector tubes.
When indicator material is spilled: Call a physician immediately.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

The product itself does not burn. Use extinguishing measures that are appropriate to the environment.

Extinguishing media which must not be used for safety reasons:

None.

Special hazards arising from the substance or mixture:

None.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Release not possible if used properly.

Methods and material for containment and cleaning up:

When indicator material is spilled: Dilute with water. Soak up the product with absorbent, non-flammable material. Avoid contact of breakage of glass and indicator material. Dispose of as described in chapter 13.

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7. Handling and storage

Precautions for safe handling

Advice on safe handling:

See the specific Instruction for use.

Advice on protection against fire and explosion:

No special precautions required.

Conditions for safe storage, including any incompatibilities

Advice on storage compatibility:

Do not store together with edibles.

Further information on storage conditions:

Store in cool place. Recommended storage temperature: 20°
C

8. Exposure controls/personal protection

Control parameters

Additional advice on limit values:

Release not possible if used properly.

Exposure controls

Protective and hygiene measures:

Avoid contact with eyes or skin after breaking of the tub tips.
Avoid contact of breakage of glass and indicator material. Do not take up glass breakage and content of the tube with bare hands. Wash hands before breaks and at the end of the workday.

Respiratory protection:

Not required.

Hand protection:

Not required.

When indicator material is spilled: Use Protective gloves made out of: Nitrile rubber, butyl rubber

Eye protection:

Not required.

When indicator material is spilled: Use Safety glasses

Skin protection:

Not required.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Granules in a glass tube.

Colour:

grey

Odour:

pungent

pH-Value (at 20 °C):

2

Test method

50 g/l water

Changes in the physical state

Melting point:

n.a.

Boiling point:

n.a.

Flash point:

n.a.

Lower explosion limits:

n.a.

Upper explosion limits:

n.a.

Vapour pressure:

n.a.

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Water solubility: low solubility
(at 20 °C)
Viscosity / dynamic: n.a.

10. Stability and reactivity

Reactivity: None if handled correctly
Chemical stability: Stable under proper storage and handling.
Possibility of hazardous reactions: None if handled correctly
Conditions to avoid: None if handled correctly
Incompatible materials: None if handled correctly
Hazardous decomposition products: No decomposition if stored and applied as directed.
Further information: After the opening of the tube: sensitive to water

11. Toxicological information

Information on toxicological effects
Toxicokinetics, metabolism and distribution: No data available.
Acute toxicity: When indicator material is spilled: No data available.
Tin(IV)chloride: LC50/inhalative/4h/rat : 1,4 mg/l (literature value)

Irritation and corrosivity: When indicator material is spilled: Irritating to eyes, respiratory system and skin.
Sensitising effects: No known sensitizing effect.
Carcinogenic/mutagenic/toxic effects for reproduction: Tin(IV)chloride: Mutagenicity Micronucelus None. Not mutagenic in AMES Test.

12. Ecological information

Toxicity: When indicator material is spilled: No data available.

| CAS No | Chemical name | | | | |
|-----------|-------------------------------------|--------|------------|-------------------|----|
| | Aquatic toxicity | Method | Dose | Species | h |
| 7646-78-8 | Stannic chloride, tin tetrachloride | | | | |
| | Acute fish toxicity | LC50 | >1000 mg/l | Brachydanio rerio | 96 |
| | Acute crustacea toxicity | EC50 | 21,5 mg/l | Daphnia Magna | 48 |

Persistence and degradability: No data available.
Bioaccumulative potential: No data available.

Mobility in soil: No data available.

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Results of PBT and vPvB assessment:

The product does not contain any substance which meets the PBT criteria (persistent/bio-accumulative/toxic) or the vPvB criteria (very persistent/very bio-accumulative).

Other adverse effects:

No data available.

Further information:

When indicator material is spilled: Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Waste treatment methods

Recommendation Waste disposal number of waste from residues/unused products:

150202
WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
Classified as hazardous waste.

Recommendation Waste disposal number of contaminated packaging:

150101
WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); paper and cardboard packaging

14. Transport information

Land transport (ADR/RID)

Other applicable information (land transport):

Not classified as dangerous regarding transport regulations.

Inland waterways transport

Other applicable information (inland waterways transport):

Not classified as dangerous regarding transport regulations.

Marine transport

Other applicable information (marine transport):

Not classified as dangerous regarding transport regulations.

Air transport

Other applicable information (air transport):

Not classified as dangerous regarding transport regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

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16. Other information

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| Changes: | Sections which have been changed in comparison to the preceding edition: 1, 2, 3, 6, 7, 8, 10, 11, 12 |
| Abbreviations and acronyms: | n.a. = not applicable n.d. = not determined |
| Full text of R-phrases referred to under sections 2 and 3: | 34 Causes burns. 36/37/38 Irritating to eyes, respiratory system and skin. 52 Harmful to aquatic organisms. 53 May cause long-term adverse effects in the aquatic environment. |
| Full text of H-Statements referred to under sections 2 and 3: | H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects. |
| Further Information: | The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions. The receiver of our product is singularly responsible for adhering to existing laws and regulations. |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)