

## Detector Tube Types Bromine / chlorine

U070012500

Revision no.: 2.00

Revision date: 09.06.2022

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### 0. General notes

These products are articles according to article 3.3 of regulation (EC) no. 1907/2006 (REACH). It is not necessary to supply a Safety Data Sheet for these products. Safety Data Sheets stipulate according to Article 31 for hazardous substances and preparations, but not for articles. UNIPHOS is obliged to supply its customers with appropriate information to ensure safe handling. A special format is not required for this information.

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

**1.1. Product identifier:** Detector Tube Types Bromine / chlorine

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of the substance/mixture:** Detector tube

#### 1.3. 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  
**1.4. Emergency telephone:** **+91 22 61233500**

#### Further Information:

Apply Safety data sheet to the following products:

| Tube Code | US Code | Tube Name | Range        |
|-----------|---------|-----------|--------------|
| CF000019  | SBR-2M  | Bromine   | 1-20 ppm     |
| CF000020  | SBR-3   | Bromine   | 5-100 ppm    |
| CF000045  | SCL-1M  | Chlorine  | 0.25 - 5 PPM |
| CF000046  | SCL-2   | Chlorine  | 2.5 - 50 PPM |
| CF000047  | SCL-3   | Chlorine  | 5 - 100 PPM  |
| CF000048  | SCL-4M  | Chlorine  | 50 - 500 PPM |

### 2. Hazards identification

**2.1. Classification of the substance or mixture:**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

#### 2.2. Label elements

**Precautionary statement(s)**

P102 Keep out of the reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Additional advice on labelling:**

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

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### 3. Composition/information on ingredients

#### 3.2. Mixtures

**Chemical characterization:** Sealed glass tube, filled with inert granules, treated with o-tolidine (< 0.05 %).

### 4. First aid measures

#### 4.1. Description of first aid measures

**After inhalation:**

Not applicable for intact detector tubes.  
When indicator material is spilled: If you feel unwell, seek medical advice (show the label where possible).

**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: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice..

**After ingestion:**

Not applicable for intact detector tubes.  
When indicator material is spilled: If you feel unwell, seek medical advice (show the label where possible).

#### 4.2. Most important symptoms and effects, both acute and delayed:

Not applicable for intact detector tubes.

### 5. Fire-fighting measures

#### 5.1. 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.

#### 5.2. Special hazards arising from the substance or mixture:

None.

#### 5.3. Advice for firefighters:

None.

### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures:

Release not possible if used properly.

#### 6.3. 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.

### 7. Handling and storage

#### 7.1. 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.

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### 7.2. Conditions for safe storage, including any incompatibilities

|   |   |
|---|---|
| <b>Advice on storage compatibility:</b>           | Do not store together with edibles.   |
| <b>Further information on storage conditions:</b> | See the specific Instruction for use. Recommended storage temperature: 20°C |

## 8. Exposure controls/personal protection

### 8.1. Control parameters

|   |  |
|---|--|
| <b>Additional advice on limit values:</b> | Release not possible if used properly. |
|---|--|

### 8.2. Exposure controls

|   |   |
|---|---|
| <b>Protective and hygiene measures:</b> | 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 breads and content of the tube with bare hands. Wash hands before breaks and at the end of the workday. |
| <b>Respiratory protection:</b>          | Not required.   |
| <b>Hand protection:</b>                 | Not required.   |
| <b>Eye protection:</b>                  | Not required.   |
| <b>Skin protection:</b>                 | Not required.   |

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                      |                           |                                    |
|--------------------------------------|---------------------------|------------------------------------|
| <b>Physical state:</b>               | Granules in a glass tube. |                                    |
| <b>Colour:</b>                       | white                     |                                    |
| <b>Odour:</b>                        | almost odorless           |                                    |
| pH-Value (at 20 °C):                 | 5                         | <b>Test method</b><br>50 g/l water |
| <b>Changes in the physical state</b> |                           |                                    |
| 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.                      |                                    |
| Water solubility:<br>(at 20 °C)      | low solubility            |                                    |
| Viscosity / dynamic:                 | n.a.                      |                                    |

## 10. Stability and reactivity

|  |  |
|--|--|
| <b>10.2. Chemical stability:</b>                 | After the opening of the tube: Sensitive to air (discolouration )      |
| <b>10.3. Possibility of hazardous reactions:</b> | None under recommended use and storage conditions.                     |
| <b>10.4. Conditions to avoid:</b>                | None if handled correctly in accordance with the instructions for use. |
| <b>10.5. Incompatible materials:</b>             | None if handled correctly in accordance with the instructions for use. |

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### 10.6. Hazardous decomposition products:

No decomposition if stored and applied as directed.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity:

Not applicable for intact detector tubes.

When indicator material is spilled: No data available.

## 12. Ecological information

### 12.1. Toxicity:

Not applicable for intact detector tubes.

When indicator material is spilled: No data available.

### 12.2. Persistence and degradability:

Not applicable for intact detector tubes.

### 12.3. Bioaccumulative potential:

Not applicable for intact detector tubes.

### 12.4. Mobility in soil:

Not applicable for intact detector tubes.

### 12.5. Results of PBT and vPvB assessment:

Not applicable for intact detector tubes.

### 12.6. Other adverse effects:

Not applicable for intact detector tubes.

#### Further information:

When indicator material is spilled: Should not be released into the environment.

## 13. Disposal considerations

### 13.1. 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

- 1) Do not dispose of used tubes carelessly, take precautions to prevent the contents from entering creeks, rain water run-off, sewers or water supplies.
- 2) Follow all local, state and federal laws and regulations regarding waste
- 3) A box of Uniphos detector tubes contain less than 0.5 grams of hazardous materials and as such are classified a small quantity exception for transportation (49 CFR 173.4) and require no special shipping consideration.

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**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.

#### 14.5. Environmental hazards

Dangerous for the environment:

No

#### 14.6. Special precautions for user:

Not applicable

**14.7. Transport in bulk according to  
Annex II of MARPOL73/78 and the IBC  
Code:**

Not applicable

### 15. Regulatory information

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

**National regulatory information**

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### 16. Other information

**Changes:**

Sections which have been changed in comparison to the preceding edition: 1.

**Abbreviations and acronyms:**

n.a. = not applicable

n.d. = not determined

**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.

n.a. = not applicable

n.d. = not determined

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