



SAFETY DATA SHEET

1. Identification of the Substance and Company

Steraffirm Control Tubes (Autoclaves)

Product No. PCC024, PCC025, PCC026

MSDS No. B105

NFPA 704 HAZARD RATING:

HEALTH: 1

FIRE: 0

REACTIVITY: 0

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Product No.	Cycle Type	Description of Product- Cycle Parameters
PCC024	Prevacuum, Gravity and Liquids	Steraffirm Control Tubes Type 1 Black spot for steam – 121°C for 15 minutes
PCC025	Prevacuum, Gravity and Liquids	Steraffirm Control Tubes Type 6 Red spot for steam – 121°C for 12 minutes
PCC026	Prevacuum and Gravity	Steraffirm Control Tubes Type 2 Yellow spot for steam – 134°C for 3 minutes

2. Hazards Identification: Skin and eye irritant.

3. Composition/Information on Ingredients

Hazardous Component(s)	EEC No.	CAS No.	% By Wt.	Symbol	R Phrases
Ethyl alcohol	NA	64-17-5	< 5%	NA	NA

4. First Aid Measures

Skin Contact: In the case of tube breakage, the liquid should be washed from the skin using copious quantities of water.

Eye Contact: In the case of contact with eyes, irrigate with tepid water or an approved eye irrigation solution until the eye irritation is cleared.

Ingestion: If the liquid is ingested, wash out mouth thoroughly with water, give plenty of water to drink, SEEK medical advice.

5. Fire-Fighting Measures

Flash Point: Not Flammable.

Extinguishing Media: Suitable for surrounding fire.

Special Fire Fighting Procedures: In the event of fire, ensure fire fighting personnel are aware of the risk of flying glass particles.

6. Accidental Release Measures

Sweep up broken glass particles, dispose of in sharps container or other receptacle. Mop up spillage with absorbent material and cold water, wear protective gloves.

7. Handling and Storage

7.1 Handling

The Steraffirm Control Tubes are designed to be in autoclaves. When used in such devices, no inherent hazards are likely to present themselves.

7.2 Storage

Do not expose to temperatures in excess of 200°C. Store in cool, dark, dry conditions before and after use. Shelf Life: 18 months from date of manufacture when stored as directed. The expiry date is printed on the packaging.

8. Exposure Control/Personal Protection

8.1 Occupational Exposure Limits:

Ethyl alcohol: ACGIH TLV and OSHA PEL = 1,000 ppm

8.2 Personal Protection

Respirator Protection: NA.

Eye Protection: NA

Protective Gloves: NA

Other Protective Clothing and Equipment: NA.

Ventilation: Normal room ventilation.

9. Physical and Chemical Properties

Appearance: Tube with a red liquid, which is an indicating medium, containing 0.08mg dyes, 4.0mg reagents with the remainder as water.

10. Stability and Reactivity

Conditions to Avoid: **Important** - Do not expose tubes to naked flames, excessive internal pressure could lead to the fracture and failure of the tubes.

11. Toxicological Information

11.1 Acute (Primary Routes of Exposure)

Eyes and Skin: Liquid components can irritate eyes.

Ingestion: Avoid accidental ingestion.

11.2 Long Term Exposure

None of the components is a known carcinogen.

12. Ecological Information

None available

13. Disposal Considerations

Mop up spillage with absorbent material and cold water. Dispose of in accordance with state, local and federal regulations.

14. Transport Information

Not restricted.

15. Regulatory Information

Steraffirm Control Tubes (Autoclaves) do not contain any components derived from animal origin, do not come into contact with materials of animal origin and therefore comply with the "Note for guidance of minimizing the risk of transmitting animal spongiform encephalopathy agents via human Veterinary medicinal products (EMA/410/01 Rev. 2-October 2003)."

16. Other Information

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.

NA - Not Applicable

ND - No Data