



MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

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|----------------------|--|
| Product name: | Cozart [®] Solids Run Buffer |
| Chemical name: | Cozart [®] Solids Run Buffer containing 0.2% Triton X-405, 0.01% 5-Bromo-5-Nitro-1, 3-Dioxane, 0.03% Sodium Azide, and 0.007% Thiomersal. |
| Product description: | |
| Manufacturer: | Cozart Bioscience Ltd, 92 Milton Park, Abingdon, Oxon OX14 4RY, UK |
| Telephone: | +44 (0)1235 861483 |

2. HAZARDOUS INGREDIENTS

| Hazardous component | Percent | CAS number | EEC classification | Symbol |
|------------------------------|---------|------------|--------------------|--------|
| Triton X-405 | 0.2 | 9002-93-1 | None | Xn |
| 5-Bromo-5-Nitro-1, 3-Dioxane | 0.01 | 30007-47-7 | 250-001-7 | Xn |
| Sodium Azide | 0.03 | 26628-22-8 | 247-852-1 | T+N |
| Thiomersal | 0.0067 | 54-64-8 | 200-210-4 | T+N |

3. HAZARD IDENTIFICATION

Triton X-405 – Harmful if swallowed. Risk of serious damage to eyes.
5-Bromo-5-Nitro-1, 3-Dioxane- Harmful if swallowed. Irritating to skin.
Sodium azide – Very toxic if swallowed. Contact with acids liberates very toxic gas. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Thiomersal- Very toxic by inhalation, in contact with skin and if swallowed. Danger of cumulative effects.
Very toxic to aquatic environment.

4. FIRST AID MEASURES

Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
Inhalation: Remove from exposure. If breathing becomes difficult OBTAIN MEDICAL ATTENTION.
Skin contact: Wash skin thoroughly with water. Remove contaminated clothing and wash before reuse. In severe cases OBTAIN MEDICAL ATTENTION.
Ingestion: Provided person is conscious, wash out mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

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|---------------------------|---|
| Flash point: | Not known |
| Fire extinguishing media: | Dry powder or sand |
| Fire fighting procedures: | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions. |
| Explosion hazards: | None |

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing.
Avoid contaminating the water supply. Do not allow the material to enter drains or water courses. Absorb on sand or vermiculite, place in closed containers and arrange for removal by disposal company. Wash site of spillage thoroughly with water and detergent.
Caution: Products can present a slipping hazard, if spilled.

7. HANDLING & STORAGE

Store according to label instructions. Do not inhale vapour. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|------------------|---------------------------|
| Skin protection: | Chemical resistant gloves |
| Eye protection: | Chemical safety goggles |
| Ventilation: | Local exhaust ventilation |

9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|----------------------|-------------|
| Physical state: | Liquid |
| Colour: | Transparent |
| Odour: | None |
| pH: | 8.2 |
| Boiling point: | No data |
| Melting point: | No data |
| Relative density: | No data |
| Solubility in water: | Complete |



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10. STABILITY & REACTIVITY

The product is stable under the storage conditions described on the kit label instructions. Hazardous decomposition may occur at 300°C. There are no known strong incompatibilities in product form.

11. TOXICOLOGICAL INFORMATION

Not applicable

12. ECOLOGICAL INFORMATION

Not applicable

13. DISPOSAL

Dispose in accordance with applicable laws

14. TRANSPORT INFORMATION

Not applicable

15. REGULATORY INFORMATION

Labeling according to EC directives:

Symbols: Xn – harmful, T+ N – very toxic, dangerous for the environment.

Risk Phases: R28- Very toxic if swallowed, R32- Contact with acids liberates toxic gas, R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment, R22-Harmful if swallowed, R41- Risk of serious damage to eyes, R36- Irritating to skin.

R23/24/25- Very toxic by inhalation, in contact with skin and if swallowed, RR33- Danger of cumulative effects.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The user should determine the suitability of this information for the intended use of the product and adopt appropriate safety precautions. Cozart Bioscience Limited shall not be held liable for any damage resulting from handling or from contact with the above product. Contact Cozart Technical Support for further information.

C9012

Edition: 001

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