

Realtime Stain Material Safety Data Sheet

Name of substance and company details

Product Name: Realtime Stain
Product code: GEN-RT-STAIN-200 (1 x 0.2 ml); GEN-RT-STAIN-2000 (2 x 1 ml)
Company: **Protein Ark Limited**, Calibre Scientific UK, Unit 5A, R-Evolution @ The Advanced Manufacturing Park, Selden Way, Rotherham, S60 5XA
Email: info@proteinark.com
Tel: +44 (0) 114 224 2257
Hazards Identification: Not classified as hazardous according to criteria of EU regulation: No. 1272/2008.
Not classified as dangerous goods according to Directive 67/548/EEC.
Laboratory reagent for preparing samples for electrophoretic separation.
Product Use:

Composition /Information on ingredients:

| Ingredients | CAS No. | Proportion,% |
|------------------------|------------|--------------|
| Sodium azide | 26628-22-8 | <0.2% |
| Sodium dodecyl sulfate | 151-21-3 | < 10% |
| Water | 7732-18-5 | To 100% |
| Proprietary reagent | | <20% |

Health Hazard Classification: NON-HAZARDOUS

UN Classification: Not a Dangerous Good

UN Number: None allocated

Poison Schedule: Not a Scheduled Poison

EMERGENCY OVERVIEW

Product: Realtime Stain is a dark blue liquid with no odour, packaged in vials.

Major Health Hazards: None known

POTENTIAL HEALTH EFFECTS

Inhalation: Data suggests that this product should present no significant problems.

Skin contact: May be irritating to eyes, respiratory system and skin. No data is currently available.

Eye contact: This product may be irritating to eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any lasting effects.

Ingestion: No hazards anticipated from swallowing small amounts incidental to normal handling procedures.

Chronic Exposure: No specific data is available for the product for chronic exposure symptoms.

Carcinogen status: Ingredients are not classified as human carcinogens at these concentrations by the International Agency for Research on Cancer (IARC).

First - Aid measures

Inhalation: Remove to fresh air.

Eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, or until the chemical is removed, while holding the eyelid(s) open. If irritation persists, seek medical advice.

Skin contact: Wash thoroughly with soap and water.

Ingestion: Drink several glasses of water.

Fire-fighting measures:

Flashpoint: Data not available. This product does not burn.

Flammable Limits: Not applicable.

Extinguishing Media: This product does not burn. Dry Chemical, Carbon Dioxide or Foam.

Fire & Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is a water-based solution and except under gross fire conditions, it should not burn. Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating (minor quantities of carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke; water).

Fire Fighting Equipment: No special fire fighting clothing is necessary on account of this product. However, as a minimum, wear safety shoes and overalls.

Accidental Release Measures: Wear protective clothing and soak up with paper towel. Minor spills do not normally need any special cleanup measures. The container size is 2ml, therefore a major spill is unlikely. Spillage can be taken up with absorbent material. Wear gloves and eye protection. Prevent spillage from entering drains or watercourses. Dispose of in accordance with local, state and federal regulations.

Handling and storage:

Handling: Wear protective clothing. Avoid contact with eyes, skin and clothing. Always wash hands before eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Storage: Use a suitably labelled sealed container. Keep container closed when not in use in order to minimise contamination. Keep from extreme heat and open flames.

Exposure Controls/Personal Protection:

Exposure Limits: Not applicable

Engineering Controls: No specific exposure controls needed.

Personal Protection: Wear safety goggles, gloves and a laboratory coat.

Physical Properties

Appearance: Liquid.

Colour: Dark Blue

Specific Gravity: Not available

Water solubility: Soluble

Odour: no odour

pH: Not corrosive

Volatility: Not available

Freezing point: Not available

Odour Threshold Not available

Stability: Stable when stored 2-50 °C

Toxicological Information Specific data is not available for this product. The ingredients at these concentrations are not classified as toxic.

Ecological Information Not available for this product. The ingredients are toxic to aquatic organisms. Although they are only present in small quantities and each unit contains only 1 ml, care should be taken to ensure the product does not enter the environment.

Disposal Considerations Dispose of in accordance to local regulations.

Transport Information No regulations.

Regulatory Information: This MSDS has been prepared according to EU guidelines No 435/2010.

Other Information

This information is only to be used as a guide and is by no means all inclusive. The information is believed to be correct on the date of publishing. This document is not a warranty for the described product. The company will not be held liable for any injury or illness resulting from handling or from contact with this product. Materials Supplied in the Kit: