

1.0 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

Product details: Laboratory chemical

Product name: Rinse solution

Part number: 025 016 and 025 171

Supplier:

Jenway	Telephone: + 44 (0)1785 812121
Bibby Scientific Ltd	Fax: + 44 (0)1785 810471
Beacon Road	Email: jenwayhelp@bibby-scientific.com
Dunmow	
Staffordshire	
ST15 0SA	
England	

Further information obtainable from: Health & Safety.

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation:

Description: Aqueous solution of organic materials.

Component	
Triton X-100	Approximately 1%
Bronidox L.	Approximately 0.2% equivalent to 0.02% active material
Distilled water	Balance to 100%

Notes: Triton X-100 is a biodegradable non-ionic surfactant.
Bronidox L. is a solution of 5-bromo-nitro-1,3-dioxan in 1,2 propylene glycol with preservative properties.

3.0 HAZARDS IDENTIFICATION

Hazard Description:



Xn Harmful

R 22	Harmful if swallowed.
R 41	Risk of serious damage to eyes.
S 24	Avoid contact with skin.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Classification system:

Information furnished by supplier companies.

4.0 FIRST AID MEASURES

After eye contact:

Irrigate thoroughly with water for at least 5 minutes. If discomfort still exists obtain medical assistance.

After ingestion:

Wash out mouth thoroughly with water and give copious amounts of water to drink. If a large quantity is swallowed obtain medical assistance.

5.0 FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Not given.

Protective equipment:

Not given.

6.0 ACCIDENTAL RELEASE MEASURES

Measures for cleaning/collecting:

Wash site of spillage thoroughly with water. If spilled on clothing this should be rinsed in water as soon as practicable.

7.0 HANDLING AND STORAGE

Handling:

Information for safe handling:

Avoid contact with skin and eyes. Change contaminated clothing. Wash hands after working with substance. Do not dispose of new or used solution directly to drains, dilute with water when disposing into drain.

Storage:

Requirements to be met by storerooms and receptacles:

Store away from direct sunlight. Keep container well closed and do not return any unused solution back to container. Storage in a refrigerator is not recommended as Bronidox L. may crystallise in the solution.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective and hygienic measures:

The solution should only be used for its intended use. (As instructed within the operating manual of the Jenway flame photometer). Use should be by suitable operative trained in appropriate laboratory techniques. No special precautions are required except those outlined in section 7.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Colourless

Odour: Very weak odour

pH Value:

Not applicable

Solubility in/Miscibility with water:

Miscible in all proportions.

10.0 STABILITY AND REACTIVITY

Stability: Stable, however do not use beyond expiry date printed on label.

11.0 TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect on the skin:

Possible irritation after skin contact if not washed off with water.

Primary irritant effect on the eye:

May irritate if not dealt with promptly.

Additional toxicological information:

Further hazardous properties cannot be excluded. The product should be handled with care as usual when dealing with chemicals.

12.0 ECOLOGICAL INFORMATION

General notes:

Do not allow to enter drinking water supplies. Dispose of only after dilution with copious amounts of water.

13.0 DISPOSAL CONSIDERATIONS

Product:

Recommendation:

Due to the low risk of contravening the local disposal arrangements, flushing the used solution into a drain with copious amounts of water should be satisfactory. Chemical residues are generally classified as special waste and as such are covered by regulations, which vary according to location. This must be taken into account in special circumstances.

Uncleaned packaging:

Recommendation:

Rinse out empty containers thoroughly before recycling.

14.0 TRANSPORT INFORMATION

Air, Land and Maritime transport:

Generally suitable for transport by road, air or sea if containers are in protective packaging.

15.0 REGULATORY INFORMATION

Labelling:



Xn Harmful

Risk and safety phrases:

R 22 Harmful if swallowed.

R 41 Risk of serious damage to eyes.

S 24 Avoid contact with skin.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16.0 OTHER INFORMATION

Relevant R-phrases:

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

This MSDS should be forwarded immediately to all users of this product within your organisation. If this product is to be re-consigned to another organisation then it is your responsibility to ensure that this MSDS is sent or copied to that organisation. This data sheet must not be construed to be a risk assessment for operations involving this substance. As with any other substance, the user is advised to carry out a risk assessment when working with it. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. No responsibility can be assumed by Jenway for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices.

Department issuing MSDS: Health & Safety