

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

Product details: Flame Photometry Standard

Product Name: 1000ppm Potassium Flame Photometry Standard

Part Number: 025 023

Supplier:

Bibby Scientific Ltd
Beacon Road
Stone
Staffordshire
ST15 0SA
England

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Further information available from: Health & Safety

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation:

Description: Mixture of substances listed below with non-hazardous additions.

Description:	Identification Number(s)
Purified water	EINECS: 231-791-2

Dangerous components: Void.

Additional information: For the wording of the listed risk phrases refer to section 16.

3.0 HAZARDS IDENTIFICATION

Hazard Description:

Not applicable.

Information pertaining to particular hazards to man and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guidelines for preparations of the EU" in the latest valid version.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by the information from technical literature and by information furnished by supplier companies.

4.0 FIRST AID MEASURES

General information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

Rinse opened eye for several minutes under running water.

After swallowing:

If symptoms persist consult doctor.

5.0 FIRE FIGHTING MEASURES

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.

Protective equipment:

No special measures required.

6.0 ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Not required.

Measures for environmental protection:

Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information:

No dangerous substances are released.

7.0 HANDLING AND STORAGE

Handling: PPE to be worn. See section 8.**Information for safe handling:**

No special measures required.

Information about fire and explosion protection:

No special measures required.

Storage:**Requirements to be met by storerooms and receptacles:**

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

None.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see section 7.

Ingredients with limit values that require monitoring in the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the making were used as a basis.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Suitable respiratory protective device recommended.

Protection of hands:

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Preparation of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C
Flash point:	Not applicable
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Density at 20°C:	Not determined
Solubility/miscibility with water:	Fully miscible
Solvent content:	
Organic solvents:	0.0%

10.0 STABILITY AND REACTIVITY

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11.0 TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect on the skin:

No irritant effect.

Primary irritant on the eye:

No irritating effect.

Sensitisation:

No sensitising effects known.

Additional toxicological information:

This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to the specifications, the product does not have any harmful effects to our experience and the information provided to us.

12.0 ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13.0 DISPOSAL CONSIDERATIONS

Product:

Recommendation:

Smaller quantities can be disposed of with household waste.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleaning agents:

Water, if necessary together with cleansing agents.

14.0 TRANSPORT INFORMATION

Land transport ADR/RID (cross border)**ADR/RID Class:** -**Maritime transport IMDG:****IMDG Class:** -**Maritime pollutant:** No**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** -**Transport/Additional information:**

Not dangerous according to the above specifications.

15.0 REGULATORY INFORMATION

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

National regulations:**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous to water.

16.0 OTHER INFORMATION

This MSDS should be forwarded immediately on 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 feature 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.