

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product identifier

Product name: **fluidiphore rapid amine 503**

Product number: L00487

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Protein label.

Details of the supplier of the safety data sheet

Fluidic Analytics Limited
Unit A The Paddocks
Business Centre
Cherry Hinton Road
Cambridge CB1 8DH
United Kingdom

Telephone number: +44 (0) 1223 560432

E-mail of competent person for the safety data sheet: sean.devenish@fluidic.com

Emergency telephone number

+44 (0) 1223 560432

Available outside office hours? No.

2. HAZARDS IDENTIFICATION

Emergency overview	Powder of blue coloration. The product contains no substances which at their given concentrations are considered to be hazardous to health. We recommend handling all chemicals with caution.
Primary route(s) of entry	Not determined
Symptoms of exposure	
Inhalation	Not determined
Eye contact	Not determined
Skin contact	Not determined
Ingestion	Not determined
Medical conditions aggravated by exposure	None known
Listed as carcinogen or potential carcinogen	Carcinogenic information for this product as a whole does not exist. The individual components are not listed as carcinogenic by the International Agency for Research on Cancer (IARC).

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

Description of first aid measures

If inhaled:

If breathed in, move person into fresh air.

In case of skin contact:

Wash off with soap and plenty of water.

In case of eye contact:

Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

None.

Indication of any immediate medical attention and special treatment needed if necessary

None.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

Environmental precautions

No special environmental precautions required.

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Methods and material for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place. Ensure container tightly closed in a dry and well-ventilated place. Recommended storage temperature for powder 4°C and when reconstituted -20°C.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limits.

Exposure controls

Prevent from entering drains. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Consult local authorities for acceptable exposure limits

Appropriate engineering controls

None required (*General industrial hygiene practice*).

Personal protective equipment

Eye/face protection:

Safety glasses with side-shields.

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use wear suitable respiratory equipment.

Environmental exposure controls

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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- a) *Appearance:* Form: powder
Colour: Dark blue.
- b) *Odour:* No information available.
- c) *Odour threshold:* No information available.
- d) *pH:* No information available.
- e) *Melting point/freezing point:* No information available.
- f) *Initial boiling point & boiling range:* No information available.
- g) *Flash point:* No information available.
- h) *Evaporation rate:* No information available.
- i) *Flammability (solid, gas):* No information available.
- j) *Upper/lower flammability or explosive limits:* No information available.
- k) *Vapour pressure:* No information available.
- l) *Vapour density:* No information available.
- m) *Relative density:* No information available.
- n) *Solubility:* No information available.
- o) *Partition coefficient (n-octanol/water):* No information available.
- p) *Auto-ignition temperature:* No information available.
- q) *Decomposition temperature:* No information available.
- r) *Viscosity:* No information available.
- s) *Explosive properties:* No information available.
- t) *Oxidising properties:* No information available.

Other information

None.

10. STABILITY AND REACTIVITY

Reactivity

No information available.

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Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No information available.

Conditions to avoid

No information available.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known. In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

No information available.

Skin corrosion/irritation:

No information available.

Serious eye damage/irritation:

No information available.

Respiratory or skin sensitisation:

No information available.

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard:

No information available.

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12. ECOLOGICAL INFORMATION

Toxicity

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This substance is not considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods*Product:*

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

IATA hazard class

Not dangerous goods

15. REGULATORY INFORMATION

OSHA regulatory status

Non-hazardous. This product contains no substances which at their given concentrations are considered to be hazardous to health.

CERCLA reportable quantity

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA 302

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 302.

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SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Inventory status – Toxic substance control act (TSCA)

Not listed.

State regulations – California Proposition 65

Not listed.

16. OTHER INFORMATION

Third party materials:

Insofar as materials not manufactured or supplied by Fluid Analytics Limited are used in conjunction with, or instead of Fluid Analytics Limited materials, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Fluid Analytics Limited's products in conjunction with materials from another supplier.

Liability:

Such information is to the best of Fluidic Analytics Limited's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy the suitability and completeness of such information for a particular use.

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
CAA 112(r)	Clear Air Act, Section 112(r)
CAS No.	Chemical Abstract Service registry number
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
EHS RQ	Extremely Hazardous Substances Reportable Quantities in pounds (lb)
IARC	International Agency for Research on Cancer
LC50	The concentration of a substance in air that will kill 50% of test animals within a certain exposure period
LD50	The dose that causes death in 50% of test animals
N/A	Not applicable
SARA	Superfund Amendments and Reauthorization Act of 1986
TPQ	Threshold Planning Quantity presented in pounds (lb)
TQ	Threshold Quantity in pounds (lb)

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