SAFETY DATA SHEET
APO001 PI/ RNASE STAINING BUFFER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name APO001 PI/ RNASE STAINING BUFFER

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

Identified uses For research use only.

1.3. Details of the supplier of the safety data sheet

Supplier Web: www.bio-rad-antibodies.com
Bio-Rad
Endeavour House
Langford Business Park
Kidlington
Oxford
OX5 1GE
Tel. +44 (0)1865 852700
antibody_safetydatasheets@bio-rad.com

Contact person Technical Services Manager

1.4. Emergency telephone number

Emergency telephone Tel. +44 (0)1865 852700 (9.00 a.m. - 5.00 p.m. Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

SECTION 4: First aid measures

4.1. Description of first aid measures
APO001 Pi/ RNASE STAINING BUFFER

Inhalation
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Ingestion
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
May cause coughing or mild irritation.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor
No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Due to the small packaging, the risk of inhaling gases formed in a fire is minimal.

Hazardous combustion products
Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting
No specific firefighting precautions known.

Special protective equipment for firefighters
Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep only in the original container. Store at specified temperature. Refer to product label.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM AZIDE

Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³
Short-term exposure limit (15-minute): WEL 0,3 mg/m³
as NaN₃
Sk

WEL = Workplace Exposure Limit
Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate ventilation.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures
Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection
No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Varying. Red. to Orange.

Odour
Odourless.
APO001 PI/ RNASE STAINING BUFFER

**pH**

pH (concentrated solution): ~7.4

**Melting point**

Not determined.

**Initial boiling point and range**

Not available.

**Flash point**

Not applicable.

**Evaporation rate**

Not determined.

**Upper/lower flammability or explosive limits**

Not applicable.

**Vapour pressure**

Not determined.

**Vapour density**

Not determined.

**Relative density**

Not determined.

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**Auto-ignition temperature**

Not determined.

**Decomposition Temperature**

Not determined.

**Viscosity**

Not determined.

**Explosive properties**

Not determined.

**Oxidising properties**

Not determined.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

No data available.

10.2. Chemical stability

Stability

No data available.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

Toxicological studies are not yet available.
APO001 PI/ RNASE STAINING BUFFER

Acute toxicity - oral
Notes (oral LD₅₀) Not determined.

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 16.0
Species Mouse

Skin corrosion/irritation
Human skin model test Not determined.

Extreme pH

Serious eye damage/irritation
Not determined.

Germ cell mutagenicity
Genotoxicity - in vitro No information available. : Toxicological studies are not yet available. Knowledge about health hazard is incomplete.

Carcinogenicity
Carcinogenicity Not determined.

Reproductive toxicity
Reproductive toxicity - fertility Not determined.

Specific target organ toxicity - single exposure
STOT - single exposure Not determined.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not determined.

Aspiration hazard
Aspiration hazard Not determined.

General information
Known or suspected mutagen. Knowledge about health hazard is incomplete. Toxicological studies are not yet available.

Inhalation
Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion
May cause discomfort if swallowed.

Skin contact
Liquid may irritate skin.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
Because of the product's quantity and composition, the health hazard is regarded as low.

Route of entry
Ingestion. Skin and/or eye contact

SECTION 12: Ecological Information

Ecotoxicity
There are no data on the ecotoxicity of this product.

12.1. Toxicity
Acute toxicity - fish Not determined.
12.2. Persistence and degradability

Persistence and degradability  There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential  No data available on bioaccumulation.

Partition coefficient  Not determined.

12.4. Mobility in soil

Mobility  The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment  No information available

12.6. Other adverse effects

Other adverse effects  No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information  When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General  The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road transport notes  Not classified.

Rail transport notes  Not classified.

Sea transport notes  Not classified.

Air transport notes  Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Guidance

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information
Only trained personnel should use this material.

Revision date 11/05/2016
Revision 3
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SDS number 20345
Risk phrases in full Not classified.