

Safety Data Sheet (SDS) for KAPA RNase-free Water

According to ISO & SANS 11014:2010 & SANS 10234

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Product identifier:**Identification as on the label/Trade name: **KAPA RNase-free Water**

Additional information: Product code KB8464; KB8465.

Relevant identification uses of the substance and uses advised against:

Identified uses: RNase-free Water.

Uses advised against: Not known.

Details of the supplier of the Safety Data Sheet:Kapa Biosystems
2nd Floor, Salt Works
271 Victoria Road
Salt River, Cape Town
7925, South Africa**Emergency telephone numbers:**

+27 (0)21 448 8200 (08:00-16:00 GMT+2)

SECTION 2: HAZARDS IDENTIFICATION**Classification of the substances or mixture:**

The mixture is classified according to: SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:

Not classified

Hazard statement:

Not required

For full text of H-Statements see Section 16.

The most important adverse effects:

The most important adverse physiochemical effects: None

The most important adverse human health effects: None

Label elements:

Hazard pictograms: Not required.

Signal Words: Not required.

Hazard Statements: Not required.

Precautionary Statements: Not required.

Special labelling of certain mixtures: None known.

Other hazards: None known.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substance/Mixture:** Substance**Ingredients:** Not hazardous.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available listed in Section 8.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST-AID MEASURES**Description of first aid measures:****Inhalation:** No special measures are required.**Ingestion:** Not applicable.**Skin Contact:** Not applicable.**Eye Contact:** Not applicable.**Most important symptoms and effects, both acute and delayed:****In case of inhalation:** No special measures are required.**In case of skin contact:** Not applicable**In case of eye contact:** Not applicable.**In case of ingestion:** Not applicable.**Indication of any immediate medical attention and special treatment needed:** None known.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguisher media:****Suitable extinguisher media:** Not applicable.**Unsuitable extinguishing media:** None known.**Special hazards arising from the mixture:** Sealed containers may rupture when heated.**Advice for fire-fighters:** Evacuate area and contact emergency services. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:** No special measures are required.**For emergency responders:** No special measures are required.**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.**Methods for containment and cleaning up:****For small spills:** No special measures are required.**For large spills:** No special measures are required.

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Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Additional information: None known.

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling:****Protective measures:** No special measures required.**Conditions for safe storage, including incompatibilities:** Store in a cool place. Keep container tightly closed in a dry and well ventilated place.**Specific end uses:** Analytical reagent use only as directed.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Control parameters:****Occupational exposure limits:** No data available.**Biological exposure indices (BEI):** No data available.**Additional exposure limits under the conditions of use:** No data available.**Exposure control:****Appropriate engineering controls:** No special measures required**Individual protection measures, such as personal protective equipment:****Eye/face protection:** No special measures required.**Hand protection:** No special measures required**Body protection:** Not necessary under normal use.**Respiratory protection:** Not required under normal use.**Environmental exposure controls:** None required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Appearance (form):** Liquid.**Colour:** Colourless.**Odour:** Odourless.**Odour threshold:** Not known.**pH (concentration):** Not known.**Melting point/range (°C):** Not known.**Boiling point/range (°C):** Not known.**Flash point (°C):** Not known.**Evaporation rate:** Not known.**Flammability (solid, gas):** Not applicable.**Ignition temperature (°C):** Not applicable.**Upper/lower flammability/explosive limits:** Not applicable.**Vapour pressure (20 °C):** Not known.

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Vapour density: Not known.
Relative density (25 °C): Not known.
Water solubility (g/L) at 20 °C: Not known.
n-Octanol/Water partition coefficient: Not known.
Auto-ignition temperature: Not known.
Decomposition temperature: Not known.
Viscosity, dynamic (mPa s): Not known.

Physical hazards:

None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.
Bulk density: Not known.
Dissociation constant in water (pKa): Not known.
Oxidation-reduction potential: Not known.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: Stable under recommended conditions of storage. Product will not undergo hazardous polymerization.
Possibility of hazardous reactions: Hazardous polymerization is not expected to occur.
Conditions to avoid: Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Incompatible materials: Not known.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION**Toxicokinetics, metabolism and distribution:**

Non-human toxicological data: No data available.
Method: No data available.
Dosage: No data available.
Routes of administration: No data available.
Results: No data available.
Absorption: No data available.
Distribution: No data available.
Metabolism: No data available.
Excretion: No data available.

Information on toxicological effects:

Acute toxicity: No known significant effects or critical hazards.
Skin corrosion/irritation: No known significant effects or critical hazards.
Serious eye damage/irritation: No known significant effects or critical hazards.
Respiratory or skin sensitization: No known significant effects or critical hazards.

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Germ cell mutagenicity: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Reproductive toxicity: No known significant effects or critical hazards.
STOT-single exposure: No known significant effects or critical hazards.
STOT-repeated exposure: No known significant effects or critical hazards.
Aspiration hazard: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.
Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.
Product/packaging disposal: Recycle where possible.

SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.
Relevant information regarding restrictions: None known.
EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]
Other National regulations: None.
Chemical Safety Assessment carried out? No.

SECTION 16: OTHER INFORMATION

Indication of changes: GHS aligned.
Relevant classification and H statements (number and full text): None.

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Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
