



SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2026
Date Updated: January 14, 2026

SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

Product Name One Step RT PCR Kit
Product Code(s) 9K-005-0011
Recommended Use For Laboratory Research Use Only
Not for Human or Animal Drug Use

Supplier Bio Basic Inc.
Address 20 Konrad Crescent, Markham, Ontario,
Canada, L3R 8T4
Telephone (905) 474 4493
Fax (905) 474 5794
For Chemical Emergency Phone# (416) 995 9730

SECTION 2. ----- HAZARDS IDENTIFICATION -----

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

SECTION 4. ----- FIRST-AID MEASURES-----

If inhaled

If exposed to excessive levels of dusts or fumes, remove to fresh air. If cough or other symptoms develop, get medical assistance. If substance is ingested or inhaled, do not use artificial respiration with mouth-to-mouth method. Please use appropriate respiratory medical equipment.

In case of skin contact

Remove contaminated clothing and shoes. In case of contact with skin, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Seek immediate medical assistance.

In case of eye contact

Immediately flush eyes with running water for at least 20 minutes. Seek immediate medical assistance.

If swallowed

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

Advice to physician

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5. -----FIREFIGHTING MEASURES-----

Suitable extinguishing media

Use water spray, alcohol-resistant foam, or carbon dioxide. Use dry sand or earth to smother fire.

Special hazards arising from the chemicals

Containers may explode when heated. Some may burn but none ignite readily. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Can decompose at high temperatures forming toxic gases.

Special protective equipment for firefighters

Rescuers should wear appropriate protective equipment. Evacuate area and fight fire from a safe distance. Substance may be transported in a molten form. For the disposal of firefighting water, dig a ditch and lock it so that no material is scattered. Move containers from fire area if you can do it without risk. Fire involving Tanks: Fight fire from maximum distance or use fire apparatus. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Stay away from tanks engulfed in fire. For large fires, use unmanned firefighting equipment and allow them to burn if it is not possible.

Explosion data - sensitivity to mechanical impact

No data available

Explosion data - sensitivity to static discharge

No data available

SECTION 6. -----ACCIDENTAL RELEASE MEASURES-----

Personal precautions

Avoid breathing dust, fumes, gas, mist, steam, and spray. Immediately wipe off spillage and follow protective precautions. Remove all ignition sources. Stop the leak if it is not dangerous. Do not touch the container or leaks without wearing suitable protective equipment. Cover with plastic sheet to prevent diffusion. Note the substances and conditions to avoid.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning up

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Remove dust and moisten with water to prevent scattering. Absorb the liquid and scrub the area with detergent and water.

SECTION 7. -----HANDLING AND STORAGE-----

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a well-ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Use care in handling/storage. Loosen closure cautiously before opening. Please note that materials and conditions to be avoided. For handling, refer to engineering control/personal protection section.

Conditions for safe storage

It is recommended to store at $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$. Keep container tightly closed in a well-ventilated place. Empty drums should be completely drained, properly bunged, and promptly returned to a drum conditioner, or properly disposed of.

SECTION 8. -----EXPOSURE CONTROLS/PERSONAL PROTECTION-----

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Respiratory protection

Wear respiratory protection according to the physicochemical properties of the material being exposed. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand 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.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

Specific engineering controls

Use mechanical exhaust or laboratory fume hood to avoid exposure.

SECTION 9. -----PHYSICAL AND CHEMICAL PROPERTIES-----

Appearance	Form: liquid Colour: colourlessness
Odour	Odourless
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point/range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Solubility	No data available
Vapour density	No data available
Specific gravity	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

SECTION 10. -----STABILITY AND REACTIVITY-----

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

May decompose at high temperatures into forming toxic gases. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Inhalation of dust may cause toxicity. Some may burn but none ignite readily. Containers may explode when heated. Fire may produce irritating, corrosive and/or toxic gases.

Conditions to avoid

Ignition source (heat, spark, flame, etc.)

Materials to avoid

Combustible materials, reducing substance. During burning, pyrolysis or combustion can produce irritating and highly toxic gases. Corrosive/toxic fume

Hazardous decomposition products

Irritating, corrosive and/or toxic gas.

SECTION 11. -----TOXICOLOGICAL INFORMATION-----

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

Eyes: No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes

May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13. -----DISPOSAL CONSIDERATIONS-----

Product

If specified in the waste management law, dispose of contents and containers in accordance with local regulations.

Contaminated packaging

Dispose of as unused product.

SECTION 14. -----TRANSPORT INFORMATION-----

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15. -----REGULATORY INFORMATION-----

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16. -----OTHER INFORMATION-----

Further information: no limited for paper copy, just for internal uses.
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS