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MSDS information for:
Cat. #P-9107
EpiQuik Viral RNA Isolation Fast Kit

A Material Safety Data Sheet (MSDS) for the product as a whole is not required, as it is a kit consisting of individual components.

The following components are defined as hazardous (see MSDS page).

RPB (RNA Purification Buffer)

The following components are defined as non-hazardous and do not require an MSDS. The products do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910. 1200, the OSHA Hazard Communication Standard.

RLB (RNA Lysis Buffer)
RWB (RNA Wash Buffer)
EB (Elution Buffer)
F-Spin Column
F-Collection Tubes
User Guide

MATERIAL SAFETY DATA SHEET

Section 1. Identification

Product name: EpiQuik Viral RNA Isolation Fast Kit
Product no.: P-9107
Supplier: Epigentek Group Inc.
110 Bi County Blvd. Ste 122
Farmingdale, NY 11735

In case of an emergency, call 911. For information about this MSDS, please contact the manufacturer's technical support line at 1-631-755-0888.

Section 2. Hazard Identification

Effects of acute and chronic exposure: Refer to Section 11.

Section 3. Composition, Information on Ingredients

Component name: RPB (RNA Purification Buffer)
Ingredient name: Sodium acetate
CAS no.: 127-09-03

Section 4. First Aid Measures

Inhalation: If inhaled, move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.
Ingestion: If ingested, drink plenty of fluids and call a physician.
Skin contact: Immediately flush area with plenty of water.
Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention.

Section 5. Fire Fight Measures

Fire: No data available
Explosion: No data available
Fire extinguishing media: Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide
Special hazards arising from the substance or mixture: Carbon oxides, Sodium oxides
Further information: In the event of a fire, wear full protective clothing and NIOSH-approved

self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6. Accident Release Measures

General information:	Use proper personal protective equipment as indicated in Section 8. Avoid dust formation. Avoid breathing vapors, mist, or gas. Avoid breathing dust.
Spills/Leaks:	Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.
Other precautions:	Avoid contact and inhalation; do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

Section 7. Handling and Storage

Handling:	Normal precautions for handling chemicals must be observed.
Storage:	Store the buffer at room temperature away from light. The buffer can be stable for up to 6 months from the date of shipment when stored properly.

Section 8. Exposure Control and Personal Protection

Engineering controls:	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Eye:	Wear safety glasses and chemical goggles if splashing is possible.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to minimize contact with skin.
Respirators:	None normally required.

Section 9. Physical and Chemical Properties

Appearance:	Form - solid Color – white
Odor	No data available
Odor threshold	No data available
Water solubility:	1.25 g/l at 25 °C (77 °F) – soluble
Relative density:	1.53 g/cm ³
pH:	8.5 - 9.9 at 246 g/l at 25 °C (77 °F)
% Volatiles by vol. @ 21°C:	No data available
Initial boiling point and boiling range:	No data available
Melting point/freezing point:	Melting point/range: > 300 °C (> 572 °F)
Flammability (solid, gas):	Not flammable

Upper/lower flammability or explosive limits:	No data available
Vapor density (Air=1):	No data available
Vapor pressure (mm Hg):	No data available
Flash Point:	No data available
Evaporation rate (BuAc=1):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

Section 10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use & storage
Hazardous decomposition products:	Hazardous decomposition products formed under fire conditions - Carbon oxides, Sodium oxides Other decomposition products - No data available In the event of fire: see section 5
Hazardous polymerization:	No data available
Incompatibilities:	Strong oxidizing agents Avoid exposure to moisture

Section 11. Toxicological Information

Acute toxicity

LD50 Oral - Rat - male and female - 2,700 mg/kg
(OECD Test Guideline 401)
LC50 Inhalation - Rat - male and female - 4 h - > 5.6 mg/l
(OECD Test Guideline 403)
LD50 Dermal - Rabbit - female - > 20,000 mg/kg
(OECD Test Guideline 402)
No data available

Skin corrosion/irritation

Skin – Rabbit
Result: No skin irritation - 4 h
(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes – Rabbit
Result: No eye irritation - 24 h
(OECD Test Guideline 405)

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Mouse - male – sperm

Result: negative
(ECHA)

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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

Additional information

RTECS: AJ4300010

Abdominal pain, Nausea, Vomiting

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

Section 12. Ecological Information**Toxicity**

Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
(OECD Test Guideline 203)

Toxicity to daphnia static test EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 48 h
and other aquatic invertebrates (OECD Test Guideline 202)

Toxicity to algae ErC50 - Skeletonema costatum - > 1,000 mg/l - 72 h
(ISO 10253)

Toxicity to bacteria static test EC50 - Pseudomonas putida - 7,200 mg/l - 16 h
(DIN 38 412 Part 8)

Persistence and degradability

Biodegradability Aerobic dissolved organic carbon (DOC) - Exposure time 28 d
Result: 99 % - Readily biodegradable
(Regulation (EC) No. 440/2008, Annex, C.4-A)

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

Section 13. Disposal Considerations

Waste disposal: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

Not dangerous goods

Section 15. Regulatory Information

Not applicable

Section 16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.