

# MATERIAL SAFETY DATA SHEET



<b>Section 1. Identification</b>
Product: <b>Qbeads-NTA-Ni</b> Catalog-No.: MF-HIS-3000 Manufacturer: MagQu Co., Ltd. Address: 3F, No.12, Lane 538, Zhongzheng Rd., Xindian Dist., New Taipei City 231, Taiwan Tel: 886-2-8667-1897 Fax: 886-2-8667-1809 E-mail: info@magqu.com Website: www.magqu.com
<b>Section 2. Composition/Information on Ingredients</b>
The magnetic beads consist of single-crystal Fe <sub>3</sub> O <sub>4</sub> magnetic sphere core and being coated with dextran. The magnetic bead has nitrilo-triacetic acid (NTA) groups with charged nickel covalently bind to surface dextran of Qbeads. The beads are suspended in 20% ethanol reagent.
<b>Section 3. Hazards Identification</b>
There are no known hazards identified with this product.
<b>Section 4. First Aid Measures</b>
Eyes: Flush with large amounts of water for at least 15 minutes. Wash contaminated clothes before reuse. Consult a physician if irritation persists. Skin: Wash off with soap and plenty of water. Ingestion: Flush mouth with water. Get medical attention Inhalation: Remove from exposure to fresh air immediately.
<b>Section 5. Fire Fighting Measures</b>
Extinguishing Media: Foam, CO <sub>2</sub> , Water, Dry Chemical Unusual Fire and Explosion Hazards: N/A
<b>Section 6. Accidental Release Measures</b>
Contain spill and then clean up with copious amount of water. Avoid contact with skin and clothing.
<b>Section 7. Exposure Control/Personal Protective Measures</b>
Do not pipette by mouth. Do not eat, drink or smoke in areas where kit reagents or samples are handled. Avoid contact of skin or mucous membranes with kit reagents or specimens. Rubber or disposable latex gloves and protective clothing should be worn while handling kit reagents or specimens. Avoid splashing or generation of aerosols.
<b>Section 8. Handling and Storage</b>
Store product at 2-8°C. Do not freeze and far away form magnets.
<b>Section 9. Physical and Chemical Properties</b>
N/A

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<b>Section 10. Stability and Reactivity</b>
Stable
<b>Section 11. Toxicological Information</b>
Acute effects: May cause skin and eye irritation. May be harmful if absorbed through the skin. May cause irritations to mucous membranes and upper respiratory tract. May be harmful if swallowed. Chronic effects: Have not been thoroughly investigated.
<b>Section 12. Ecological information</b>
N/A
<b>Section 13. Disposal guidelines</b>
Dispose all excess reagents and samples in biohazardous waste. Alternatively excess reagents and samples, as well as empty reagent containers can be autoclaved for at least one hour prior to discarding. Observe all federal, state and local environmental regulations.
<b>Section 14. Transport information</b>
Product and all components should be transported at 2-8°C.
<b>Section 15. Regulatory information and considerations</b>
N/A
<b>Section 16. Other</b>
The product is for research use only, not for use in diagnostic procedures.