

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Magou

Revision Date: 8. January. 2024

## Section 1. Identification of the substance/mixture and of the company/undertaking

### Product identifiers

Product name: **Qbeads-NTA-Ni**  
Catalog-No.: MF-HIS-3000  
Brand: MagQu  
REACH No. This product is a mixture. REACH Registration Number see section 3.  
CAS-No. This product is a mixture. CAS Number see section 3.

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances, Research use.  
Uses Advised Against: None.

### Details of the supplier of the safety data sheet

Company: MagQu Co., Ltd.  
Address: 3F, No.7 and 12, Ln. 538, Zhongzheng Rd., Xindian Dist., New Taipei City 231, Taiwan.  
Rm3, 6F, No.95, Minguan 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

**Emergency telephone number** +886-2-8667-1897

**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2. Hazards Identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Flammable liquids, Category 3 H226: Flammable liquid and vapor.

#### Classification according to 67/548/EEC, 1999/45/EC

Flammable R10: Flammable.

### Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word: Warning

Hazard statements: H226 Flammable liquid and vapor.

Precautionary statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

EUH208 Contains Nickel complex. May produce an allergic reaction.

Classification system:

HMIS-ratings (scale 0 - 4)

Health = 2

Flammability = 3

Reactivity = 0

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 3. Composition/Information on Ingredients

**Chemical characterization:** Mixtures

**Hazardous components:**

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg.1272/2008)	REACH Registration Number
Ethanol	200-578-6	64-17-5	< 20	Flam. Liq. 2; Eye Irrit. 2; H225, H319 Concentration limits: >= 50 %: Eye Irrit. 2A, H319;	01-2119457610-43-XXXX
Nickel complex	Not Assigned	Not Assigned	30 ~ 40	Skin Sens. 1; H317 Carc. 2; H351	Not Assigned

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

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## Section 4. First Aid Measures

**General information:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**Inhalation:** Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

**Skin:** Wash off with soap and plenty of water. If symptoms arise, call a physician.

**Eyes:** Flush with large amounts of water for at least 15 minutes. Wash contaminated clothes before reuse. Consult a physician if irritation persists.

**Swallowing:** Flush mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

**Most important symptoms and effects, both acute and delayed:** None known.

**Indication of any immediate medical attention and special treatment needed**

The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

## Section 5. Firefighting Measures

### Extinguishing Media:

Suitable extinguishing agents: Foam, Carbon dioxide (CO<sub>2</sub>), Water, Dry Chemical

**Special hazards arising from the substance or mixture:** Nature of decomposition products not known.

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Australia HazChem Code:** 2[S]E

**Further information:** No data available.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 7 and 8 for more detail.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water. Prevent further leakage or spillage if safe to do so.

### Methods and material for containment and cleaning up:

Soak up with inert absorbent material.

### Reference to other sections

See section 12 for more information.

## Section 7. Handling and Storage

### Precautions for safe handling:

Always wear recommended Personal Protective Equipment. Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities

**Requirements to be met by storerooms and receptacles:** keep away from open flames, hot surfaces and sources of ignition. Keep in properly labelled containers. Keep container tightly closed in a dry and well-ventilated place.

**Further information about storage conditions:** See label, package insert or internal guidelines.

**Storage class (TRGS 510):** 3, Flammable liquids.

**Specific end uses:** Laboratory chemicals.

## Section 8. Exposure Control/Personal Protection

### Control parameters

#### Exposure limits:

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (TWA)
ethanol 64-17-5	1000 ppm 1900 mg/m <sup>3</sup>	none	none	none
Nickel complex	none	none	none	none

**Derived no effect level:** No information available.

**Predicted no effect concentration:** No information available.

### Exposure controls

#### Engineering measures

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye/face protection: Goggles recommended during refilling.

Skin and Body Protection: Wear suitable protective clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls:** Prevent product from entering drains.

## Section 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Appearance:

Form: Liquid and Settlement

Color: Brown to dark brown

**Odor:** Alcohol-like

**Odor threshold:** No information available.

**pH-value at 20°C (68 °F):** No information available.

**Melting point/freezing point:** No information available.

**Initial boiling point and boiling range:** No information available.

**Flash point:** °C(°F) Mixture has not been tested.

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**Evaporation rate:** No information available.  
**Flammability (solid, gas):** No information available.  
**Upper/lower flammability or explosive limits:** No information available.  
**Density at 20 °C (68 °F):** No information available.  
**Vapour pressure:** No information available.  
**Relative density:** No information available.  
**Vapour density:** No information available.  
**Relative density:** No information available.  
**Water solubility:** No information available.  
**Partition coefficient (n-octanol/Water):** No information available.  
**Autoignition temperature:** No information available.  
**Viscosity:** No information available.

**Solvent content:**  
 Organic solvents: < 20 %  
 Water: ~48 %  
 Solids content: 30~40 %

**Oxidizing properties:** The substance or mixture is not classified as oxidizing.

**Other safety information**

No further relevant information available.

## Section 10. Stability and Reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.  
**Chemical stability:** Stable under normal conditions.  
**Possibility of hazardous reactions:** No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.  
**Conditions to avoid:** Heat, flames and sparks.  
**Incompatible materials:** Strong oxidizing agents  
**Hazardous decomposition products:** No dangerous decomposition products known.

## Section 11. Toxicological Information

**Information on toxicological effects**

There is no evidence available indicating acute toxicity.

**Principal Routes of Exposure**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:** Conclusive but not sufficient for classification.

**Skin corrosion/irritation:** Conclusive but not sufficient for classification.

**Serious eye damage/eye irritation:** Conclusive but not sufficient for classification.

**Inhalation:** No sensitizing effects known.

**Ingestion:** There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ethanol	7060 mg/kg (Rat) 3450 mg/kg (Mouse)	no data available	[4h] 39 g/m <sup>3</sup> (Mouse) [10h] 20 g/m <sup>3</sup> (Rat)
Nickel complex	no data available	no data available	no data available

**Chronic toxicity**

**Corrosivity:** Conclusive but not sufficient for classification.

**Sensitization:** Conclusive but not sufficient for classification.

**Neurological effects:** No information available.

**Reproductive toxicity:** Conclusive but not sufficient for classification.

**Mutagenic effects:** Conclusive but not sufficient for classification

**Target Organ Effects:** No information available.

## Section 12. Ecological information

**Toxicity:**

**Ecotoxicity effects:**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Ethanol 64-17-5	Scenedesmus quadricauda (Green algae): 7 d EC0 5000 mg/L Marine water	Leuciscus idus (Golden orfe): 48 h LC50 8100 mg/L Oncorhynchus mykiss (rainbow trout): LC50 7100 mg/L Method: OECD Test Guideline 203 GLP: no	Daphnia magna (Water flea): 48 h EC50 5400 mg/L GLP: no Pseudomonas putida: 16 h EC0 6500 mg/L

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not known.

**Mobility in soil:** No further relevant information available.

**Remark:** No information available.

**General notes:** No information available.

**Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

**Other adverse effects:** No further relevant information available.

## Section 13. Disposal considerations

**Waste treatment methods**

**Product**

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Dispose of in accordance with local regulations.

## Contaminated packaging

Dispose of as unused product.

## Section 14. Transport information

### UN number

ADR/RID: -                      IMDG: -                                      IATA: -

### UN proper shipping name

ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### Transport hazard class(es)

ADR/RID: -                      IMDG: -                                      IATA: -

### Packaging group

ADR/RID: -                      IMDG: -                                      IATA: -

### Environmental hazards

ADR/RID: no                      IMDG Marine Pollutant: no                      IATA: no

### Special precautions for user

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

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

Not Applicable.

## Section 15. Regulatory information

Component	TSCA
Ethanol 64-17-5(<20%)	Listed
Nickel complex	-

### US Federal Regulations

#### SARA 313

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Ethanol	64-17-5	< 20	

### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

### US State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Ethanol	Listed	-	Listed	Listed	Listed
Nickel complex	-	-	-	-	-

### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Weight %	Category
Ethanol	64-17-5	< 20	Carcinogen Developmental

### WHMIS Hazard Class

B2 Flammable liquid



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## Section 16. Other information

The product is for research use only. Not for use in diagnostic procedures.

Full text of H-Statements referred to under sections 2 and 3

- H225 - Highly flammable liquid and vapor.
- H317 - May cause an allergic skin reaction.
- H351 - Suspected of causing cancer.

Full text of other abbreviations

- Carc.: Carcinogenicity
- Flam. Liq.: Flammable liquids
- Skin Sens.: Skin sensitisation

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.