



Material Safety Data Sheet

Version 1.0

Date Updated: November 27, 2018

Product Name Vcheck cTSH

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1. Product and company identification

Product Name Vcheck cTSH**Product code** VCF118**Manufacturer Information**

Name BioNote, Inc.

Address 22 Samsung 1ro 4gil, Hwaseong-si, Gyeonggi-do 18449

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2. Composition/Information on ingredients

2.1 Components

| Components | Content | CAS number | Classification |
|---|-----------------|------------|--|
| 1. Test device | - | - | - |
| T-line : Mouse monoclonal anti-TSH Ab | 0.60 ± 0.12 ug | N/A | Not classified |
| C-line : Mouse monoclonal anti-chicken IgY | 0.45 ± 0.09 ug | N/A | Not classified |
| Conjugate pad : Mouse monoclonal anti-TSH Ab-gold particle | 0.23 ± 0.046 ug | N/A | Not classified |
| Conjugate pad : Chicken IgY-gold particle | 0.08 ± 0.016 ug | N/A | Not classified |
| 2. Assay diluents | - | - | - |
| Distilled water | 99.90% | 7732-18-5 | Not classified |
| Tris-HCl | 0.8% | 1185-53-1 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 |
| Sodium azide | 0.02% | 26628-22-8 | Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (EUH032) |
| Tween20 | 0.1% | 9005-64-5 | Not classified |
| 3. Pipette tip | N/A | N/A | N/A |

2.2 Biological

- Mouse monoclonal anti-TSH Antibody
- Mouse monoclonal anti-chicken IgY
- Chicken IgY

2.3 Hazardous Substance

None

3. Hazards identification

Assay diluents



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| | |
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| GHS Hazard Statements | H303, H313, May be harmful if swallowed or in contact with skin H333 May be harmful if inhaled |
| GHS Precautionary Statements | P305 If in eyes, rinse continuously with water for at least 15 minutes. |
| GHS Label elements | Void |
| Hazard pictograms | Void |
| Signal word | Void |
| Hazard statement | Void |
| Other hazards | Void |

4. First aid measures

Description of first aid measures

General information No special measures required.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing Induce vomiting and call for medical help.

5. Fire-Fighting measures

Suitable extinguishing media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire-fighting if necessary.

6. Accidental release measures

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Precautions for safe handling No special measures required.

Information about protection against explosions and fires No special measures required.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommend storage condition 2 - 8°C (DO NOT FREEZE)

Shelf life 1year

Further information about storage conditions None.

Specific end use(s) No further relevant information available

8. Exposure controls & personal protection

Additional information about design of technical systems: No further data

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

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

Breathing equipment Not required.

Protection of hands Protective gloves.

Material of gloves Synthetic gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection Safety glasses

9. Physical and chemical properties

Appearance

| | |
|-------|---------|
| Form | Solid |
| color | Various |

Safety data

| | |
|---|-------------------|
| Odour | no data available |
| Odour Threshold | no data available |
| pH | no data available |
| Meting point/freezing point | no data available |
| Initial boiling point and boiling range | no data available |
| Flashing point | no data available |
| Evaporation rate | no data available |
| Flammability (solid, gas) | no data available |
| Upper/lower flammability | no data available |
| Vapor pressure | no data available |
| Solubility | no data available |
| Vapor density | no data available |
| Relative density | 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 |
| Formula mass | no data available |

10. Stability and reactivity

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

no data available

Hazardous decomposition products

No dangerous decomposition products known

11. Toxicological information

Acute toxicity



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Oral LD50

no data available

Inhalation LC50

no data available

Dermal LD50

no data available

Other information on acute toxicity

no data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Silica-Amorphous, precipitated)

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

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 identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure (GHS)

no data available

Specific target organ toxicity - repeated exposure (GHS)

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

Additional Information

RTECS: VV7315000 (Silica gel)

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

13. Disposal considerations

| | | | |
|---|-----------------------------------|----------------|---------------------------------|
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Product

The components of these products are not hazardous. When used for filtration of potentially hazardous chemical or biological liquid/gas, it is recommended for the user to consult regulatory organization. In all other conditions, dispose in accordance with all applicable local regulations.

Contaminated packaging

Dispose of as unused product.

14. Transport information

Assay diluents

LAND TRANSPORT(DOT)

Proper Shipping Name
Hazard Class-Primary:
UN/ID No.:
Packing Group
Subsidiary Risk

Not dangerous goods.

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name
Hazard Class-Primary:
UN/ID No.:
Packing Group

Not dangerous goods.

MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name
Hazard Class-Primary:
Packing Group
EmS

Not dangerous goods.

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

This Material Safety Data Sheet(MSDS) is prepared on basis of the information obtained from Korea Occupational Safety & Health Agency(KOSHA), however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. It shall be used only as a guide and it does not represent any guarantee of the properties of the product. We assume no responsibility for any damage resulting from handling or from contact with the above product.