****** SAFETY DATA SHEET ******

Creation Date 16-Feb-2022
Revision Date 16-July-2022
Revision Number 1

Product name : TANBead Nucleic Acid Extraction Kit

Reference No.	Description
685A46/M685A46/W685A46	Virapid Virus Auto Plate
685S46/M685S46/W685S66	Virapid Virus Auto Tube

1. Identification of substance

Production details

Trade name: Lysis Buffer

Manufacturer/Supplier:

Taiwan Advanced Nanotech Inc.

6F., No.188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)

Tel.:886-3-3167568

MSDS-No.: Lysis Buffer – 685 series

2. Hazard (s) identification

Classification of the substance or mixture:

GHS02 GHS05

Label elements

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Signal word: Danger

Hazard statements:

H226 - Flammable liquid and vapor.

H314 - Causes severe skin burns and eye damage

Precautionary statements

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

P235 - Keep cool.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.

P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

Other hazards: None under normal conditions.

3. Composition/Data on components

Chemical characterization: Mixtures

Description: The mixture of hazardous substance is listed below.

Dangerous components:

593-84-0 Guanidine Thiocyanate 20-30%

64-17-5 Ethyl alcohol 5-10%

Non-Dangerous components(or the percentages of component are too low to be dangerous):

7732-18-5 Water 40%

6381-92-6 Ethylenedinitrilotetraacetic acid disodium salt dihydrate < 5%

77-86-1 2-Amino-2-(hydroxymethyl)propane-1,3-diol < 1%

4. First-aid measures

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

After inhalation: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

After eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

After swallowing: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Do not induce vomiting. Call a physician immediately.

5. Firefighting measures

Suitable extinguishing agents:

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing agents:

Do not use a heavy water stream.

Protective equipment: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

Personal precautions, protective equipment:

Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures:

Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray

Measures for cleaning/ collecting:

Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

7. Handling and storage

Handling

Information for safe handling: Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapor. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Technical measures:

Ground/bond container and receiving equipment.

Storage condition: Keep container tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

8. Personal protection

Personal protective equipment:

Safety glasses. Gloves.

Materials for protective clothing:

GIVE GOOD RESISTANCE: rubber. plastics

Hands protection:

Gloves.

Eye protection:

Face shield

Skin and body protection:

Protective clothing

Respiratory protection:

Mist formation: aerosol mask

9. Physical and chemical properties

General Information

Form: Liquid.

Color: Colorless.

Odor: Not determined**.**

Change in condition

Melting point/ Melting range: No data available.

Boiling point/ Boiling range: No data available.

Flash point: 25 ℃ (ASTM D93-13).

Flammability (solid, gaseous): Flammable liquid and vapor.

Upper explosion limit / Upper flammability limit: No data available**.**

Lower explosion limit / Lower flammability limit: No data available**.**

Vapor pressure: No data available**.**

Relative vapor density: No data available**.**

Relative density: No data available**.**

Density at 20℃ (68℉): No data available.

Solubility in / Miscibility with water: No data available.

Partition coefficient (n-octanol/water): No data available.

Viscosity, dynamic: No data available.

Viscosity, kinematic: No data available.

10. Stability and reactivity

Reactivity: Flammable liquid and vapour.

Chemical stability: The product is stable at normal handling and storage conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

Conditions to avoid: None under recommended storage and handling conditions (see section 7). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Incompatible materials:

No additional information available.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Ethyl alcohol (64-17-5):

LD50 Oral**:** 7060 mg/kg (Rat)

LD50 Dermal: 15800 mg/kg (Rabbit)

Guanidine Thiocyanate (593-84-0):

LD50 Oral**:** 593 mg/kg OECD Test Guideline 401 (Rat)

LD50 Inhalation: 1.6 mg/l/4h (Rat; Dust/Mist)

Primary irritant effect

On the skin: Causes severe skin burns.

On the eye: Causes serious eye damage.

12. Ecological information

Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic): Not classified (Based on available data, the classification criteria are not met)

Ethyl alcohol (64-17-5):

LC50: > 100 mg/l (Fish; Exposure time: 96 h - Species: Pimephales promelas [static])

LC50: 5012 mg/l (Exposure time: 48 h - Species: Daphnia magna) (Other aquatic organisms)

EC50: 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50: 5012 mg/l waterflea (Other aquatic organisms)

EC50: 275 mg/l (Other aquatic organisms)

ErC50: 275 mg/l (Algae; Source: ECHA)

ErC50: 4432 mg/l (other aquatic plants)

Guanidine Thiocyanate (593-84-0):

LC50: 5560 – 6080 mg/l (Fish; Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])

LC50: 12946 mg/l (Fish; Exposure time: 96 h - Species: Lepomis macrochirus [static]))

EC50: 1000 mg/l (Crustacea; Exposure time: 48 h - Species: Daphnia magna)

EC50: 340.7 – 469.2 mg/l (Crustacea; Exposure time: 48 h - Species: Daphnia magna [static])

EC50: 4136 mg/l (Other aquatic organisms; waterflea)

EC50: 2430 mg/l (Other aquatic organisms)

LOEC(chronic): 441 mg/l (Daphnia pulex Duration: '21 d')

NOEC(chronic): 314 mg/l (Daphnia pulex Duration: '21 d')

Persistence and degradability: No data available.

Behavior in environmental systems

Bioaccumulative potential: No data available.

Ethyl alcohol (64-17-5): Partition coefficient n-octanol/water (Log Pow): -0.32

Mobility in soil: No further relevant information available.

General notes: Avoid release to the environment

13. Disposal considerations

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations..

Additional information:

Flammable vapors may accumulate in the container.

Ecology – waste materials:

Avoid release to the environment.

14. Other information

If you want further information, please contact TANBead sales representative (Tel: +886-3-3167568)

****** SAFETY DATA SHEET ******

Creation Date 16-Feb-2022
Revision Date 16-July-2022
Revision Number 1

1. Identification of substance

Production details

Trade name: Washing Buffer 2

Manufacturer/Supplier:

Taiwan Advanced Nanotech Inc.

6F., No.188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)

Tel.:886-3-3167568

MSDS-No.: WB2 – 685 series

2. Hazard (s) identification

Classification of the substance or mixture:

GHS02

GHS07

Label elements

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).

Signal word: Danger

Hazard statements:

H225 - Flammable liquids.

H319 - Causes severe eye damage and irritation

Precautionary statements

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

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P264 - Wash skin thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/ attention.
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Other hazards: None under normal conditions.

3. Composition/Data on components

Chemical characterization: Mixtures
Description: The mixture of hazardous substance is listed below.
Dangerous components:
64-17-5 Ethyl alcohol 20-30%
Non-Dangerous components(or the percentages of component are too low to be dangerous):
7732-18-5 Water 70-80%

4. First-aid measures

General information: Show this material safety data sheet to the doctor in attendance.
After inhalation: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
After eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
After skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
After swallowing: Rinse mouth. Immediately make victim drink water (two glasses at most). Consult a physician.

5. Firefighting measures

Suitable extinguishing agents:
Water Foam Carbon dioxide (CO2) Dry powder.
Unsuitable extinguishing agents:
For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture: Carbon oxides Combustible. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapors possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

Environmental precautions:

Do not let product enter drains. Risk of explosion.

Measures for cleaning/ collecting:

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

7. Handling and storage

Handling

Information for safe handling: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Conditions for safe storage, including any incompatibilities

Storage condition: Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class (TRGS 510): 3: Flammable liquids

8. Personal protection

Personal protective equipment:

Safety glasses. Gloves.

Materials for protective clothing:

GIVE GOOD RESISTANCE: rubber. plastics

Hands protection:

Gloves.

Eye protection:

Face shield

Skin and body protection:

Protective clothing

Respiratory protection:

Mist formation: aerosol mask

9. Physical and chemical properties

General Information

Form: Liquid.

Color: Colorless.

Odor: Pungent**.**

Odor threshold: 0.1 ppm

Melting point/ Melting range: -115 ℃.

Boiling point/ Boiling range: 78 ℃.

Flash point: 25 ℃ (ASTM D93-13).

Critical temperature: 243 ℃.

Self ignition temperature: 363 ℃

Flammability (solid, gaseous): Flammable liquid and vapor.

Upper explosion limit / Upper flammability limit: No data available**.**

Lower explosion limit / Lower flammability limit: No data available**.**

Vapor pressure: No data available**.**

Relative vapor density: No data available**.**

Relative density: No data available**.**

Density at 20℃ (68℉): No data available.

Solubility in / Miscibility with water: No data available.

Partition coefficient (n-octanol/water): No data available.

Viscosity, dynamic: No data available.

Viscosity, kinematic: No data available.

10. Stability and reactivity

Reactivity: Upon combustion, CO and CO2 are formed. Reacts violently with many compounds e.g.: with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.

Chemical stability: Hygroscopic.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures. Open flame.

Incompatible materials:

Strong acids. Strong bases.

Hazardous decomposition products: Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

11. Toxicological information

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

Ethyl alcohol (64-17-5):

LC50: > 100 mg/l (Fish; Exposure time: 96 h - Species: Pimephales promelas [static])

LC50: 5012 mg/l (Exposure time: 48 h - Species: Daphnia magna) (Other aquatic organisms)

EC50: 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50: 5012 mg/l waterflea (Other aquatic organisms)

EC50: 275 mg/l (Other aquatic organisms)

ErC50: 275 mg/l (Algae; Source: ECHA)

ErC50: 4432 mg/l (other aquatic plants)

Primary irritant effect

On the skin: Causes severe skin irritation.

On the eye: Causes serious eye irritation.

12. Ecological information

Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic): Not classified (Based on available data, the classification criteria are not met)

Ethyl alcohol (64-17-5):

LC50: > 100 mg/l (Fish; Exposure time: 96 h - Species: Pimephales promelas [static])

LC50: 5012 mg/l (Exposure time: 48 h - Species: Daphnia magna) (Other aquatic organisms)

EC50: 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50: 5012 mg/l waterflea (Other aquatic organisms)

EC50: 275 mg/l (Other aquatic organisms)

ErC50: 275 mg/l (Algae; Source: ECHA)

ErC50: 4432 mg/l (other aquatic plants)

Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil.

Behavior in environmental systems

Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4)

Ethyl alcohol (64-17-5): Partition coefficient n-octanol/water (Log Pow): -0.32

Mobility in soil: No further relevant information available.

General notes: Avoid release to the environment

13. Disposal considerations

Waste treatment methods: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Do not discharge into surface water. May be discharged to wastewater treatment installation.

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations..

Additional information:

Flammable vapors may accumulate in the container.

Ecology – waste materials:

Avoid release to the environment.

14. Other information

If you want further information, please contact TANBead sales representative
(Tel: +886-3-3167568)

****** SAFETY DATA SHEET ******

Creation Date 16-Feb-2022
Revision Date 16-July-2022
Revision Number 1

1. **Identification of substance**

Production details

Trade name: Magnetic Beads

Manufacturer/Supplier:

Taiwan Advanced Nanotech Inc.

6F., No.188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)

Tel.:886-3-3167568

MSDS-No.: MB – 685 series

2. **Hazard (s) identification**

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements:

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. **Composition/Data on components**

Chemical characterization: Mixtures

Description: The mixture of hazardous substance is listed below.

Dangerous components:

NA

Non-Dangerous components(or the percentages of component are too low to be dangerous):

7732-18-5 Water 90-95%

1317-61-9 Ferric ferrous oxide <3%

7631-86-9 Silicon dioxide <1%

4. **First-aid measures**

General information: Show this material safety data sheet to the doctor in attendance.

After inhalation: If not breathing give artificial respiration.

After eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

5. **Firefighting measures**

Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture: No data available**.**

6. **Accidental release measures**

Personal precautions, protective equipment and emergency procedures:

No data available.

Environmental precautions:

No data available.

Measures for cleaning/ collecting:

Wipe up with absorbent material (e.g. cloth, fleece).

7. **Handling and storage**

Handling

No data available

Storage condition: No special storage conditions required.

8. **Personal protection**

Personal protective equipment:

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

9. **Physical and chemical properties**

General Information

Form: Liquid.

Color: Colorless.

Odor: No data available.

Odor threshold: No data available.

Melting point/ Melting range: 0 ℃.

Boiling point/ Boiling range: 100 ℃.

Flash point: Not applicable.

Flammability (solid, gaseous): No data available.

Upper explosion limit / Upper flammability limit: No data available**.**

Lower explosion limit / Lower flammability limit: No data available**.**

Vapor pressure: No data available**.**

Relative vapor density: No data available**.**

Relative density: No data available**.**

Density at 20℃ (68℉): No data available.

Solubility in / Miscibility with water: No data available.

Partition coefficient (n-octanol/water): No data available.

Viscosity, dynamic: No data available.

Viscosity, kinematic: No data available.

10. **Stability and reactivity**

Reactivity: No data available.

Chemical stability: No data available.

Incompatible materials: No data available.

Hazardous decomposition products: No data available.

11. **Toxicological information**

Acute toxicity (oral): No data available.

LD50: >90000 mg/kg (Rat; Oral)

Primary irritant effect

On the skin: No data available.

On the eye: No data available.

12. **Ecological information**

Toxicity

No data available

Persistence and degradability: No data available.

Behavior in environmental systems

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

General notes: No data available.

13. **Disposal considerations**

Waste treatment methods: Taking into account local regulations the product may be disposed of as waste water after neutralization.

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations..

Additional information:

No data available.

Ecology – waste materials:

No data available.

14. **Other information**

If you want further information, please contact TANBead sales representative (Tel: +886-3-3167568)

****** SAFETY DATA SHEET ******

Creation Date 16-Feb-2022
Revision Date 16-July-2022
Revision Number 1

1. Identification of substance

Production details

Trade name: Elution Buffer

Manufacturer/Supplier:

Taiwan Advanced Nanotech Inc.

6F., No.188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)

Tel.:886-3-3167568

MSDS-No.: EB – 685 series

2. Hazard (s) identification

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements:

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/Data on components

Chemical characterization: Mixtures

Description: Pure water containing Tris.

4. First-aid measures

General information: Show this material safety data sheet to the doctor in attendance.

After inhalation: If not breathing give artificial respiration.

After eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

5. Firefighting measures

Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture: No data available**.**

6. **Accidental release measures**

Personal precautions, protective equipment and emergency procedures:

No data available.

Environmental precautions:

No data available.

Measures for cleaning/ collecting:

Wipe up with absorbent material (e.g. cloth, fleece).

7. **Handling and storage**

Handling

No data available

Storage condition: No special storage conditions required.

8. **Personal protection**

Personal protective equipment:

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

9. **Physical and chemical properties**

General Information

Form: Liquid.

Color: Colorless.

Odor: No data available.

Odor threshold: No data available.

Melting point/ Melting range: 0 ℃.

Boiling point/ Boiling range: 100 ℃.

Flash point: Not applicable.

Flammability (solid, gaseous): No data available.

Upper explosion limit / Upper flammability limit: No data available.

Lower explosion limit / Lower flammability limit: No data available.

Vapor pressure: No data available.

Relative vapor density: No data available.

Relative density: No data available.

Density at 20℃ (68℉): No data available.

Solubility in / Miscibility with water: No data available.

Partition coefficient (n-octanol/water): No data available.

Viscosity, dynamic: No data available.

Viscosity, kinematic: No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical stability: No data available.

Incompatible materials: No data available.

Hazardous decomposition products: No data available.

11. Toxicological information

Acute toxicity (oral): No data available.

LD50: >90000 mg/kg (Rat; Oral)

Primary irritant effect

On the skin: No data available.

On the eye: No data available.

12. Ecological information

Toxicity

No data available

Persistence and degradability: No data available.

Behavior in environmental systems

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

General notes: No data available.

13. Disposal considerations

Waste treatment methods: Taking into account local regulations the product may be disposed of as waste water after neutralization.

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.

Additional information:

No data available.

Ecology – waste materials:

No data available.

14. Other information

If you want further information, please contact TANBead sales representative (Tel: +886-3-3167568)