



SECTION 1: *Identification of the Substance/Mixture and of the Company/Undertaking*

1.1 Product identifier :

Substance name : Viral Inactivation Transport Medium (VITM)

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

Recommended restrictions on use : For professional users only.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier : ROJETechnologies

Street address / P.O. Box : NO. 2 Farvardin street- Fernan Street- Tehran- Shahr Qods- Iran-

Postal Code: 37531146130

Country ID / Postcode / Place : Iran

Telephone number : 02191070705

E-Mail : Info@rojetechnologies.com

National contact: ROJETechnologies

1.4 Emergency Telephone Number

Opening Hours: 8-15:00 Sa to Wed and 8-13:00 Thurs

Language Of The Phone Service: English/ Persian

Only Available During Office Hours.

SECTION 2: *Hazards Identification*

2.1 Classification of the substance or mixture

2.1.1 classification according to regulation (EC) No 1272/2008 (CLP)

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1C

Serious eye damage : Category 1

Acute aquatic toxicity : Category 3

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard pictograms:



Signal word:

Danger

Hazard statements:

- H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life.

Precautionary statements:

- Prevention: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor/ physician.

2.1.2 Carcinogenicity:

- IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- OSHA** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3: Composition/Information on Ingredients

3.1 Substances



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Substances name: Buffer RL
INDEX No.: No data available
EC NO.: No data available
REACH No.: No data available
CAS No.: No data available
Purity: No data available
Synonymes: No data available
Stabilisers: No data available
Hazard impurities: No data available

3.2 Mixtures

Description of the mixture: Substance

Hazardous ingredients

Chemical Name	Concentration [%]
guanidinium thiocyanate	>= 30 - < 50

SECTION 4: *First Aid Measures*

4.1 Description of first aid measures

- General notes: Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
- following inhalation: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
- following skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
- following eye contact: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.



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- following ingestion: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Causes skin irritation.
Effects: May cause an allergic skin reaction.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for doctor: No information available.
Special treatment: No information available.

SECTION 5: *Fire-Fighting Measures*

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.

Hazardous combustion products: Carbon oxides, Sulfur oxides

5.3 Advice for fire-fighters

Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
Specific extinguishing methods: In the event of fire and/or explosion do not breathe fumes.

SECTION 6: *Accidental Release Measures*

6.1 Personal precautions, protective equipment and emergency procedures



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6.1.1 For non-emergency personnel

Protective equipment: Use personal protective equipment.
Ensure adequate ventilation.
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Emergency procedures: Evacuate the danger area or consult an expert if needed.

6.1.2 For emergency responders

Personal protective equipment: Use suitable fabric for personal protective clothing.

6.2 Environmental precautions

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

6.3.1 For containment: Keep in suitable, closed containers for disposal.

6.3.2 For cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.3.3 Other information:

SECTION 7: *Handling and Storage*

7.1 Precautions for safe handling

Advice on safe handling: Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.



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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:	Keep container tightly closed in a dry and well-ventilated place.
Packaging materials:	No data available
Requirements for storage rooms and vessels:	No data available

SECTION 8: *Exposure Controls/Personal Protection*

8.1 Control parameters limit
Contains no substances with occupational exposure values.

8.2 Personal protection equipment :

8.2.2.1 Eye and face protection : contact
Tightly fitting safety goggles Do not wear lenses.

8.2.2.2 Skin protection : the work chemicals
Choose body protection according to the amount and concentration of the dangerous substance at place. Footwear protecting against

Hand protection :The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Hygiene measures :Keep away from food and drink. Wash hands before breaks and at the end of workday. Ensure adequate ventilation, especially in confined areas. Avoid contact



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with the skin and the eyes. When using do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

a) Appearance:	liquid
b) Odour:	odorless
c) Odour threshold:	No data available
d) pH:	7, neutral
e) Melting point / freezing point:	No data available
f) Initial boiling point and boiling range:	No data available
g) Flash point:	Not applicable
h) Evaporation rate:	No data available
j) Upper / lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Solubility(ies)	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	not determined
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	Not applicable
t) oxidizing properties	No data available

9.2 Other information

SECTION 10: Stability and Reactivity

10.1 Reactivity:	No decomposition if stored and applied as directed.
10.2 Chemical stability:	No decomposition if stored and applied as directed.
10.3 Possibility of hazardous reactions:	Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions. Keep away from oxidizing agents, and acidic or alkaline products.
10.4 Conditions to avoid:	No data available
10.5 Incompatible materials:	No data available
10.6 Hazardous decomposition products:	No data available

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

11.1.1 Acute toxicity:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.2 Skin corrosion/irritation:

Method:	No data available
Species:	No data available



Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.3 Serious eye damage/irritation:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.4 Respiratory or skin sensitization:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.5 Germ cell mutagenicity:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.6 Carcinogenicity:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available



Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.7 Reproductive toxicity:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.8 Summary of evaluation of the CMR properties:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.9 STOT-single exposure:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.10 STOT-repeated exposure:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available



Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

11.1.10 Aspiration hazard:

Method:	No data available
Species:	No data available
Routes of exposure:	No data available
Effective doses:	No data available
Exposure time:	No data available
Results:	No data available

SECTION 12: Ecological Information

12.1 Toxicity

Acute (short-term) toxicity:

Fish:	No data available
Crustatacea:	No data available
Algae/aquatic plants:	No data available
Other organisms:	No data available

Chronic (long-term) toxicity

Fish:	No data available
Crustatacea:	No data available
Algae/aquatic plants:	No data available
Other organisms:	No data available

12.2 Persistence and degradability

Abiotic Degradation:

Physical- and photo-chemical elimination



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Biodegradation:

Method: OECD Test Guideline 301C Remarks:

According to the results of tests of biodegradability
this product is not readily biodegradable.

12.3 Bioaccumulative potential

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

Bioconcentration factor (BCF): No data available

12.4 Mobility in soil

Known or predicted distribution to environmental compartments: No data available

Surface tension: No data available

Adsorption/Desorption: No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

12.7 Additional information

No data available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Disposal methods Waste from residues : Send to a licensed waste management company.

Dispose of as hazardous waste in compliance with local
and national regulations.

Contaminated packaging :

Dispose of as unused product. Do not re-use empty
containers.

SECTION 14: Transport Information

14.1. UNRTDG

Not regulated as a dangerous good

14.2. IATA-DGR

Not regulated as a dangerous good

14.3. IMDG-Code



Not regulated as a dangerous good

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

No data available

14.5. Domestic regulation

Not regulated as a dangerous good

14.6. Special precautions for user :

No data available

Remarks :

**Not classified as dangerous in the
meaning of transport regulations.**

SECTION 15: Regulatory Information

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

EU regulations

Authorisations and/or restrictions on use:

Laboratory chemicals

OSHA Hazards :

Toxic by ingestion EPCRA - Emergency Planning
and Community Right-to-Know

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards :

Acute Health Hazard

SARA 302 :

No chemicals in this material are subject to the
reporting requirements of SARA Title III, Section
302.

SARA 313 :

This material does not contain any chemical
components with known CAS numbers that exceed
the threshold (De Minimis) reporting levels
established by SARA Title III, Section 313.



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US State Regulations

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

15.2 Chemical safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

(i) Indication of changes: No information available

(ii) Abbreviations and acronyms: No information available

(iii) Key literature references and sources for data: No information available

(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: No information available

(v) Relevant H-statements (number and full text): No information available

(vi) Training advice: No information available

(vii) Further information:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.