

Safety data sheet

According to 1907/2006/EC, Article 31

Print date: 10.06.2020

Updated: 10.06.2020

Version: 1



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

1.1 Product identifier:

- Trade name: **EXTRACTME TOTAL RNA KIT**
- Article number: *EM09.2*
- Components: *RLys Buffer, RW1 Buffer, RW2 Buffer, REB*

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

No data available.

- Application of the substance / the preparation:
Laboratory reagents.

1.3 Details of the supplier of the safety data sheet:

- Manufacturer/supplier:

BLIRT S.A.

Trzy Lipy 3/1.38

80-172, Gdańsk

Poland

[*reach@blirt.eu*](mailto:reach@blirt.eu)

Tel. +48 58 739 61 50

1.4 Emergency telephone number:

+48 58 739 61 50 (Inside normal business hours)

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

1.1 Product identifier:

- Trade name: **RLys Buffer**
- Hazardous components: *Guanidine thiocyanate, N-Lauroylsarcosine sodium*
- CAS number: *593-84-0 (Guanidine thiocyanate), 137-16-6 (N-Lauroylsarcosine sodium)*
- EC number: *209-812-1 (Guanidine thiocyanate), 205-281-5 (N-Lauroylsarcosine sodium)*

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

No data available.

- Application of the substance / the preparation:
Laboratory reagents.

1.3 Details of the supplier of the safety data sheet:

- Manufacturer/supplier:

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2. Hazards identification

2.1 Classification of the substance or mixture:

- Classification according to Regulation (EC) No 1272/2008:



GHS06

Acute Tox. 3 H331 Toxic if inhaled.

Acute Tox. 4 H302 Harmful if swallowed.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effect.

2.2 Label elements:

- **Labelling according to Regulation (EC) No 1272/2008:**

The mixture is classified and labelled according to the CLP regulation.

- **Hazard pictograms:**



- **Signal word:**

Danger.

- **Hazard-determining components of labeling:**

Guanidine thiocyanate, N-Lauroylsarcosine sodium.

- **Hazard statements:**

H302 Harmful if swallowed.

H331 Toxic if inhaled.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statement(s):**

Prevention:

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

Response:

P304+P340 P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.

Additional information:

EUH032 Contact with acids liberates very toxic gas.

2.3 Other hazards:

Not applicable.

3. Composition/information on ingredients

3.2 Chemical characterization: Mixture

Dangerous ingredients		
CAS: 593-84-0 EINECS: 209-812-1	Guanidine thiocyanate Acute Tox. 4, H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Aquatic Chronic 3 H412	40-50 %
CAS: 137-16-6 EINECS: 205-281-5	N-Lauroylsarcosine sodium Acute Tox. 1 H330, Skin Irrit 2 H315, Eye Dam. 1 H318, Skin Sens. 1 H317	0-10%

4. First aid measures

4.1 Description of first aid measures:

- **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor immediately.
- **After skin contact:** Wash with soap and plenty of water. Immediately remove any clothing soiled by the product.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Make victim drink water (maximum of 2 drinking glasses). Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in 11.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media:

- **Suitable extinguishing agents:** water spray, CO₂ or powder. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

- **Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:** Nitrogen oxides (NO_x), carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...)

5.3 Advise for firefighters:

– Protective equipment:

Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale. Avoid mixture contact. Ensure adequate ventilation.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Dispose of the material collected according to regulations. Ensure adequate ventilation. Clean up affected area.

6.4 References to others sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation at the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

– Requirements to be met by storerooms and receptacles:

No special requirements.

– Information about storage in one common storage facility:

Do not store with acids.

– Further information about storage conditions:

Keep container sealed.

– Recommended storage temperature: 15-25°C

– Storage class: 10-13

7.3 Specific end use(s):

No further relevant information available.

8. Exposure controls/personal protection

8.1 Control parameters:

– Ingredients with limit values that require monitoring at the workplace:

Not required.

– Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:

– Personal protective equipment:

• **General protective and hygienic measures:** *Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Change contaminated clothing.*

• **Respiratory protection:** *In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter P3.*

• Protection of hands:

Protective gloves – *the glove material has to be impermeable and resistant to the product/the substance/the preparation.*

– *Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation:*

• **Material of gloves:** *the selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*

• **Penetration time of glove material:** *The exact break through time has to be observed.*

• **For the permanent contact gloves made of the following materials are suitable:** *Nitrile rubber, NBR. Recommended thickness of the material $\geq 0,11$ mm. Value for the permeation: Level ≥ 480 min.*

• **Eye protection:** *Safety glasses.*

• **Body protection:** *Protective work clothing. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.*

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

– Appearance:

Form: *Liquid*

9.2 Other information:

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity:

No data available.

10.2 Chemical stability:

No data available.

– **Thermal decomposition/conditions to be avoided:** *Light/strong heating.*

10.3 Possibility of hazardous reaction:

No dangerous reactions known.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

Acids.

10.6 Hazardous decomposition product:

See chapter 5.

11. Toxicological information

11.1 Information on toxicological effects:

Oral/Ingestion: $ATE_{mix} > 1084$

Inhalation/Respiratory: $ATE_{mix} = 7$

Dermal/Skin: $ATE_{mix} > 2000$

– Primary irritant effect:

- *On the skin: No data available.*
- *On the eye: No data available.*

– Sensitization:

No sensitizing effects known.

12. Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB:

Not applicable.

12.6 Other adverse effects:

No further relevant information available.

General notes: *Hazardous for water. Do not allow to enter waters, waste water or soil.*

13. Disposal considerations

13.1 Waste treatment methods:

– Recommendation:

Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

– Uncleaned packaging (recommendation):

Disposal must be made according to official regulations.

– Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14. Transport information

14.1 UN-Number:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

14.2 UN proper shipping name:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

14.3 Transport hazard class(es):

- ADR, ADN, IMDG, IATA *Not dangerous goods/not applicable.*
- Class: *Not dangerous goods/not applicable.*

14.4 Packing group:

- ADR, IMDG, IATA: *Not dangerous goods/not applicable.*

14.5 Environmental hazards:

- Marine pollutant: *No*

14.6 Special precautions for users: *Not applicable.*

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

Not applicable.

- Transport/additional information: *Not dangerous according to the above specifications.*
- UN „Model Regulation“: *Not dangerous goods/not applicable.*

15. Regulatory information

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

Not applicable.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Safety data sheet

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

1.1 Product identifier:

- Trade name: **RW1 Buffer**
- Hazardous components: *Guanidine thiocyanate, Ethanol*
- CAS number: *593-84-0 (Guanidine thiocyanate), 64-17-5 (Ethanol)*
- EC number: *209-812-1 (Guanidine thiocyanate), 200-578-6 (Ethanol)*

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

No data available.

- Application of the substance / the preparation: *Laboratory reagents.*

1.3 Details of the supplier of the safety data sheet:

- Manufacturer/supplier:

BLIRT S.A.

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80-172, Gdansk

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1.4 Emergency telephone number:

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2. Hazards identification

2.1 Classification of the substance or mixture:

- Classification according to Regulation (EC) No 1272/2008:



GHS02

Flam Liq.2 H225 Highly flammable liquid and vapour.

2.2 Label elements:

- Labelling according to Regulation (EC) No 1272/2008:

The mixture is classified and labelled according to the CLP regulation.

- Hazard pictograms:



– **Signal word:**

Danger

– **Hazard-determining components of labeling:**

Guanidine thiocyanate, Ethanol

– **Hazard statements:**

H225 Highly flammable liquid and vapour.

– **Precautionary statements:**

Prevention:

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

Response:

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

2.3 Other hazards:

EUH032 Contact with acids liberates very toxic gas.

3. Composition/information on ingredients

3.2 Chemical characterization: *Mixture*

<i>Dangerous ingredients:</i>		
CAS: 593-84-0 EINECS: 209-812-1	<i>Guanidine thiocyanate</i> Acute Tox. 4, H302, <i>Acute Tox. 4 H312, Acute Tox. 4 H332, Aquatic Chronic 3 H412</i>	20-30 %
CAS: 64-17-5 EINECS: 200-578-6	<i>Ethanol</i> Flam Liq.2 H225	10-20 %

4. First aid measures

4.1 Description of first aid measures:

- **After inhalation:** *Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor if symptoms persist.*
- **After skin contact:** *Wash with water and soap. Immediately remove any clothing soiled by the product. Seek medical treatment.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- **After swallowing:** *Make victim drink water (maximum of 2 drinking glasses). Consult a doctor immediately.*

4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media:

– **Suitable extinguishing agents:**

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

5.2 Special hazards arising from the substance or mixture:

– **Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:**

Carbon oxides (CO, CO₂)

5.3 Advise for firefighters:

– **Protective equipment:**

Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale. Avoid mixture contact. Ensure adequate ventilation.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Dispose of the material collected according to regulations. Ensure adequate ventilation. Clean up affected area.

6.4 References to others sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling:

Keep container tightly sealed.

Keep ignition sources away-do not smoke. Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities:

- **Requirements to be met by storerooms and receptacles:** *Store in cool location.*
- **Information about storage in one common storage facility:** *Keep away from ignition and heat sources.*
- **Further information about storage conditions:** *Away from sources of ignition and heat.*
- **Recommended storage temperature:** **15-25°C**
- **Storage class:** 3

7.3 Specific end use(s): *No further relevant information available.*

8. Exposure controls/personal protection

8.1 Control parameters:

- **Ingredients with limit values that require monitoring at the workplace:**
Not required.

Additional information: *The lists valid during the making were used as basis.*

8.2 Exposure controls:

- **Personal protective equipment:**

- **General protective and hygienic measures:** *Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Change contaminated clothing.*
- **Respiratory protection:** *In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter P3.*
- **Protection of hands:**
Protective gloves – the glove material has to be impermeable and resistant to the product/the substance/the preparation.
 - *Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation:*
 - **Material of gloves:** *the selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
 - **Penetration time of glove material:** *The exact break through time has to be observed.*
 - **For the permanent contact gloves made of the following materials are suitable:** *Nitrile rubber, NBR. Recommended thickness of the material $\geq 0,11$ mm. Value for the permeation: Level ≥ 480 min.*
 - **Eye protection:** *Safety glasses.*
 - **Body protection:** *Protective work clothing. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.*

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

- Appearance:

Form: *Liquid*

9.2 Other information:

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity:

No data available.

10.2 Chemical stability:

No data available.

- **Thermal decomposition/conditions to be avoided:** *No data available*

10.3 Possibility of hazardous reaction:

No dangerous reactions known.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

Acids.

10.6 Hazardous decomposition product:

See chapter 5.

11. Toxicological information

11.1 Information on toxicological effects:

- **Acute toxicity:**

Oral/Ingestion: $ATE_{mix} > 2000$

Inhalation/Respiratory: $ATE_{mix} > 20$

Dermal/Skin: $ATE_{mix} > 2000$

- **Primary irritant effect:**

- **On the skin:** *No irritant effect.*
- **On the eye:** *No irritant effect.*

- **Sensitization:**

No sensitizing effects known.

12. Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB:

Not applicable.

12.6 Other adverse effects:

No further relevant information available.

General notes: *Hazardous for water. Do not allow to enter waters, waste water or soil.*

13. Disposal considerations**13.1 Waste treatment methods:****– Recommendation:**

Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

– Uncleaned packaging (recommendation):

Disposal must be made according to official regulations.

– Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14. Transport information**14.1 UN-Number:**

- **ADR, ADN, IMDG, IATA:** *Not dangerous goods/not applicable.*

14.2 UN proper shipping name:

- **ADR, ADN, IMDG, IATA:** *Not dangerous goods/not applicable.*

14.3 Transport hazard class(es):

- **ADR, ADN, IMDG, IATA:** *Not dangerous goods/not applicable.*
- **Class:** *Not dangerous goods/not applicable.*

14.4 Packing group:

- **ADR, IMDG, IATA:** *Not dangerous goods/not applicable.*

14.5 Environmental hazards:

- **Marine pollutant:** *No*

14.6 Special precautions for users: *Not applicable.***14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**

Not applicable.

- **Transport/additional information:** *Not dangerous according to the above specifications.*
- **UN „Model Regulation“:** *Not dangerous goods/not applicable.*

15. Regulatory information

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

Not applicable.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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According to 1907/2006/EC, Article 31

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Version: 1



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

1.1 Product identifier:

- Trade name: REB (RNA Elution Buffer), RW2 Buffer,
- Hazardous components: *None*

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

No data available.

- Application of the substance / the preparation: *Laboratory reagents.*

1.3 Details of the supplier of the safety data sheet:

- Manufacturer/supplier:

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reach@blirt.eu

Tel. +48 58 739 61 50

1.4 Emergency telephone number:

+48 58 739 61 50 (Inside normal business hours)

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2. Hazards identification

2.1 Classification of the substance or mixture:

- Classification according to Regulation (EC) No 1272/2008:
Not a hazardous mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements:

- Labelling according to Regulation (EC) No 1272/2008:
The mixture is not classified and labelled according to the CLP regulation.
- Hazard pictograms:
Not applicable.
- Signal word:
Not applicable.
- Hazard-determining components of labelling:
Not applicable.

- **Hazard statements:**
Not applicable.
- **Precautionary statement(s):**
Not applicable.

2.3 Other hazards:
Not applicable.

3. Composition/information on ingredients

3.2 Chemical characterization: *Mixture.*
– **Other information:** *Not significant.*

4. First aid measures

4.1 Description of first aid measures:

- **General information:**
No special measures required.
- **After inhalation:**
Supply fresh air. In case of complaints, consult a doctor.
- **After skin contact:**
Wash with water and soap. If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth. If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed:
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media:

- **Suitable extinguishing agents:**
Water, CO₂, foam, powder. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture:

- **In case of fire, the following can be released:**
No further relevant information available.

5.3 Advise for firefighters:

- **Protective equipment:**

Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid mixture contact.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Clean up affected area. Dispose of the material collected according to regulations.

6.4 References to others sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling:

No special precautions are necessary if used correctly.

7.2 Conditions for safe storage, including any incompatibilities:

– **Requirements to be met by storerooms and receptacles:**

No special requirements.

– **Information about storage in one common storage facility:**

Not required.

– **Further information about storage conditions:**

Keep container sealed.

– **Recommended storage temperature: 15-25°C**

– **Storage class: 10-13**

7.3 Specific end use(s):

No further relevant information available.

8. Exposure controls/personal protection

8.1 Control parameters:

– **Ingredients with limit values that require monitoring at the workplace:**

Not required.

Additional information: *The lists valid during the making were used as basis.*

8.2 Exposure controls:

– **Personal protective equipment:**

- **General protective and hygienic measures:** *Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.*
- **Respiratory protection:** *No further relevant information available.*
- **Protection of hands:**

Protective gloves – *the glove material has to be impermeable and resistant to the product/the substance/the preparation.*

- *Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation:*
- **Material of gloves:** *the selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
- **Penetration time of glove material:** *The exact break through time has to be observed.*
- **For the permanent contact gloves made of the following materials are suitable:** *Nitrile rubber, NBR. Recommended thickness of the material $\geq 0,11$ mm. Value for the permeation: Level ≥ 480 min.*
- **Eye protection:** *Safety glasses.*
- **Body protection:** *Protective work clothing. Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.*

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

- **Appearance:**
Form: *Liquid*

9.2 Other information:

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity:

No data available.

10.2 Chemical stability:

No data available.

- **Thermal decomposition/conditions to be avoided:** *No decomposition if used according to specifications.*

10.3 Possibility of hazardous reaction:

No dangerous reactions known.

10.4 Conditions to avoid:

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition product:

See chapter 5.

11. Toxicological information

11.1 Information on toxicological effects:

- **Primary irritant effect:**
 - **On the skin:** *No data available.*
 - **On the eye:** *No data available.*
- **Sensitization:**

No sensitizing effects known.

12. Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability:

No further relevant information available.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB:

Not applicable.

12.6 Other adverse effects:

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods:

- **Recommendation:**

Chemicals must be disposed of in compliance with the respective national regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging (recommendation):**

Disposal must be made according to official regulations.
- **Recommended cleansing agents:**

Water, if necessary together with cleansing agents.

14. Transport information

14.1 UN-Number:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

14.2 UN proper shipping name:

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*

14.3 Transport hazard class(es):

- ADR, ADN, IMDG, IATA: *Not dangerous goods/not applicable.*
- Class: *Not dangerous goods/not applicable.*

14.4 Packing group:

- ADR, IMDG, IATA: *Not dangerous goods/not applicable.*

14.5 Environmental hazards:

- Marine pollutant: *No*

14.6 Special precautions for users: *Not applicable.*

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

Not applicable.

- Transport/additional information: *Not dangerous according to the above specifications.*
- UN „Model Regulation“: *Not dangerous goods/not applicable.*

15. Regulatory information

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

Not applicable.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.