INJECTION MORTAR

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

1.1 Product identifier:
Trade name: Injection mortar

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant uses
Adhesive mortar for fastening elements A-Component (Resin)

1.2.2 Uses advised against
None known.

1.3 Details of the supplier of the safety data sheet:

Q-railing Europe GmbH & Co.KG
Marie-Curie-Straße 8-14, D-46446 Emmerich am Rhein
Phone: +49 (0)2822 915 69 0
Fax +49 (0)2822 915 69 70
E-Mail sales@q-railing.com
Internet www.q-railing.com

Advice: Sales
Phone +49 (0)2822 915 69 0
Fax +49 (0)2822 915 69 70
E-mail (competent person): sales@q-railing.com

1.4 Emergency telephone number

Emergency advice
Informationszentrale gegen Vergiftungen Bonn
In case of poisoning:
Phone +49 (0)228-19 240

2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or 1999/45/EC
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms

Hazard statements H412 Harmful to aquatic life with long lasting effects

Precautionary statements P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

2.3 Other hazards Further hazards were not determined with the current level of knowledge.

3. Composition/information on ingredients

Product-type:
The product is a mixture.

Range [%]	Substance
2,5- <10	1,6-Hexanediyl bismethacrylate
	CAS: 6606-59-3, EINECS/ELINCS: 229-551-7
	GHS/CLP: Auqatic Chronic 2: H4111 – Eye Irrit. 2: H319 – STOT SE 3: H335 – Skin Irrit. 2: H315
	EEC: Xi-N, R 36/37/38-51/53
0,1- <1	N,N-diethylaniline
	CAS: 91-66-7, EINECS/ELINCS: 202-088-8
	GHS/CLP: Acute Tox. 3: H301 H311 H331– STOT RE 2: H373 – Auatic Chronic 2: H411
	EEC: T-N, R 23/24/25-33-51/53

Comment on component parts Substances of Very High Concern – SVHC: substances are not contained or are below 0,1%. For full text of H-statements and R-phrases: see SECTION 16**.**

4. First aid measures

4.1 Description of first aid measures

General information Change soaked clothing immediately.

Inhalation Ensure supply of fresh air. In the event of symptoms seek for medical treatment.

Skin contact When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion Supply with medical care. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing foam, dry powder, water spray jet, carbon dioxide

media

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture:

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters:

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Cool containers at risk with water spray jet.
Fire residues must be disposed of in accordance within the local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up:

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

7. Handling and storage

7.1 Precautions for safe handling:

No special measures necessary if used correctly.

Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Do not store together with acids.
Do not store with alkalies.
Keep container in a well-ventilated place.
Keep container tightly closed.
Keep in a cool place.

7.3. Specific end use(s) See product use, SECTION 1.2

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

	Ingredients with occupational exposure limits be monitored (GB)	not applicable

8.2	**Exposure controls:**	
	Additional advice on system design	Ensure adequate ventilation on workstation.
	Eye protection	Safety glasses.
	Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. butyl rubber, > 120 min (EN 374)
	Skin protection	Light protective clothing.
	Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
	Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter A
	Thermal hazards	not applicable
	Delimitation and monitoring of the environmental exposition	See SECTION 6+7

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Odor	characteristic
Odour threshold	not determined
pH-value:	not determined
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not determined
Flammability (solid, gas) [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	not determined
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined

	Autoignition temperature [°C]	not determined
	Decomposition temperature [°C]	not determined

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity
See SECTION 10.3.

10.2 Chemical stability
The product is stable under standard conditions.

10.3 Possibility of hazardous reactions
Reactions with oxidizing agents.

10.4 Conditions to avoid
See SECTION 7.2.

10.5. Incompatible materials
See SECTION 10.3.

10.6 Hazardous decomposition products:
No hazardous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects:
Acute toxicity

Range [%]	Substance
0,1 - <1	N,N-diethylaniline, CAS: 91-66-7
	LD50, dermal, Rat: > 5000 mg/kg.
	LD50, oral, Rat: 610 mg/kg.
	LC50, inhalative, Rat: 1,92 mg/l/4h

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitization	not determined
Specific target organ toxicity – single exposure	not determined
Specific target organ toxicity – repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	No classification on the basis of the calculation procedure of the preparation directive.

12. Ecological information

12.1 Toxicity

Range [%]	Substance
10- <20	N,N-diethylaniline, CAS: 91-66-7
	LC50, (96h), Pimephales promelas: 16,4 mg/l.
	EC50, Bacteria: > 100 mg/l/3h
	EC50, (48h), Daphnia magna: 1,3 mg/l

12.2 Persistence and degradability:

Behaviour in environement not determined

compartments	
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential:
No information available.

12.4 Mobility in soil:
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
Do not discharge product unmonitored into the environment. The product was classified on the basis of the calculation procedure of the preparation directive.

13. Disposal considerations

13.1 Waste treatment methods:
Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product	
	Disposal in an incineration plant in accordance with the regulations of the local authorities.
Waste no. (recommended)	080410
Contaminated packaging	
	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended)	150102* 150110

14. Transport information

14.1 UN-Number
See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name	
Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (AND)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)
See SECTION 14.2 in accordance with UN shipping name

14.4. Packing group
See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards
See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user
Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

15. Regulatory information

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

EEC-REGULATIONS	1967/548 (1999/45), 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
-Observe employment restrictions for people	no
-VOC (1999/13/CE)	0,0%

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. Other information

16.1 R-phrases (SECTION 3)

R 36/37/38: Irritating to eyes, respiratory system and skin.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 23/24/25: Toxic by inhalation, in contact with skin and if swallowed
R 33: Danger of cumulative effects

16.2 Hazard statements (SECTION 3)

H373 May cause damage to organs through prolonged or repeated exposure.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled
H315 Causes skin irritation
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects

16.3 Abbreviations and acronyms:

ADR = Accord europém relatif au transport international des

Marchandises Dangereuses par Route
RID = Réglement concernant le transport international ferroviaire des marchandises dangereuses
ADN = Accord européen relative au transport international des marachnandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived No Effect Level
DNEL= Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-CODE = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compunds
vPvB = very Persistent and very Bioaccumulative

16.4 Other information

Customs Tariff	not determined
Classification procedure	Aquatic Chronic 3: H412 Harmful to aquatic life with long Lasting effects. ()
Modified position	none

INJECTION MORTAR

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

1.1 Product identifier:
Trade name: Injection mortar

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant uses
Adhesive mortar for fastening elements B-Component (Hardener)

1.2.2 Uses advised against
None known.

1.3 Details of the supplier of the safety data sheet:

Q-railing Europe GmbH & Co.KG
Marie-Curie-Straße 8-14, D-46446 Emmerich am Rhein
Phone: +49 (0)2822 915 69 0
Fax +49 (0)2822 915 69 70
E-Mail sales@q-railing.com
Internet www.q-railing.com

Advice: Sales
Phone +49 (0)2822 915 69 0
Fax +49 (0)2822 915 69 70
E-mail (competent person): sales@q-railing.com

1.4 Emergency telephone number

Emergency advice
Informationszentrale gegen Vergiftungen Bonn
In case of poisoning:
Phone +49 (0)228-19 240

2. Hazards identification

2.1 Classification of the substance or mixture

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

Skin Sens. 1: H317 May cause an allergic skin reaction.
Eye Irrit. 2: H319 Causes serious eye irritation

Classification according to Directive 67/548/EEC or 1999/45/EC

Sensitizing. – R 42: May cause sensitisation by skin contact.

2.2 Label elements

The product is classified and required to be labelled in accordance with GHS/CLP-Directives.

Labelling according to Regulation (EC) 1272/2008

Hazard pictograms

Signal word	WARNING
Contains	Dibenzoyl peroxide
Hazard statements	H317 May cause an allergic skin reaction H319 Causes serious eye irritation.
Precautionary statements	P101 If medical advice needed, have product container or label at hand. P102 Keep out of reach of children. P261 Avoid breathing vapours. P280 Wear protective gloves/eye protection/face protection. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/container to in accordance with local/regional/national/international regulation

2.3 Other hazards

Environmental hazards	Does not contain any PBT or vPvB substances.
Other hazards	Further hazards were not determined with the current level of knowledge.

3. Composition/information on ingredients

Product-type:
The product is a mixture.

Range [%]	Substance
10- <20	Dibenzoyl peroxide
	CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0
	GHS/CLP: Org. Perox. B: H241 – Eye Irrit. 2: H319 – Skin Sens. 1: H317
	EEC: E-Xi, R 3-7-36-43
1- < 5	Reaction mass of Diethylene glycole dibenzoate, Dipropylene glycole dibenzoate and Triethylene glycol dibenzoate
	ECB-Nr.: 01-2119535193-44-XXXX
	EEC: R 52/53
< 5	2-Ethylhexyl benzoate
	CAS: 5444-75-7, EINECS/ELINCS: 226-641-8

	GHS/CLP: Auqatic Chronic 4: H413
	EEC: R 53
1 - <5	Quartz (<10µ)
	CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
	GHS/CLP: STOT RE 1: H372
	EEC: Xn, R 48/20

Comment on component parts The quartz in this preparation is not available on foreseeable use. Substances of Very High Concern – SVHC: substances are not contained or are below 0,1%. For full text H-statements and R-phrases. See SECTION 16

4. First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air. In the event of symptoms seek for medical treatment.

Skin contact In case of contact with the skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion Supply with medical care. Rinse out of mouth and give plenty water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media
Carbon dioxide
Dry powder
Water spray jet

Extinguishing media that must not be used
Full water jet
Foam

5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released:
Carbon monoxide (CO)

5.3 Advice for firefighters:

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Fire residues must be disposed of in accordance within the local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.
Use personal protective equipment.
High risk of slipping due to leakage/spillage of product.
Keep away from all sources of ignition.

6.2 Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up:

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

7. Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Keep away from all sources of ignition – Refrain from smoking.
Take off contaminated clothing and wash before reuse.
Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with food and animal food/diet.
Keep container tightly closed.
Keep in a cool place. Store in a dry place.
Store in a dark place.
Protect from atmospheric moisture and water.
Recommended storage temperature: 5 – 25 °C.

7.3. **Specific end use(s)** See product use, SECTION 1.2

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:
Ingredients with occupational exposure limits be monitored (GB)

Range [%]	Substance
10- <20	Dibenzoyl peroxide
	CAS: 94-36-0, EINECX/ELINX: 202- 327-6, EU-INDEX: 617-008-00-00
	Long-term exposure: 5mg/m^3
1 – <5	Quartz (< 10 µm)
	CAS: 14808-60-7, EINECX/ELINCS: 238-878-4
	Long-term exposure: 0,15 mg/m^3, HSE; NIOSH; OSHA

1 - <20	Glycerol
	CAS: 56-81-5, EINECS/ELINCS: 200-289-5
	Long-term exposure: 10 mg/m³, (mist)

8.2 Exposure controls:

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Tightly fitting goggles.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In splash contact Nitrile rubber, >120 min (EN 374) In full contact Butyl rubber, >480 min (EN 374)
Skin protection	**P**rotective clothing.
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
Respiratory protection	If ventilation insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2.
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	black
Odor	characteristic
Odour threshold	not determined
pH-value:	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	116
Flammability (solid, gas) [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	not determined
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
Relative vapour density	not determined

determined in air	
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity
See SECTION 10.3.

10.2 Chemical stability
Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions
Reactions with oxidizing agents.

10.4 Conditions to avoid
Strong heating.
See SECTION 7.2.

10.5. Incompatible materials
Strong oxidizing agent.

10.6 Hazardous decomposition products:
No hazardous decomposition products known.

11. Toxicological information

11.1 Information on toxicological effects:
Acute toxicity

Range [%]	Substance
< 5	2-Ethylhexyl benzoate, CAS: 5444-75-7
	LD50, dermal, Rabbit: >5000 mg/kg bw.
	LD50, oral, Rat: >2000 mg/kg bw.
10 - <20	Dibenzoyl peroxide, CAS: 92-36-0
	LD50, oral, Rat: 7710 mg/kg (HSDB)
	LD50, inhalative, Rat: > 24,3 mg/l 4 h.

Serious eye damage/irritation	Slight irritant effect – does not require labelling
Skin corrosion/irritation	not determined
Respiratory or skin sensitization	Sensitizing
Specific target organ toxicity – single exposure	not determined
Specific target organ toxicity – repeated exposure	not determined
Mutagenicity	There is no evidence of any mutagenic effects.
Reproduction toxicity	There is no evidence of any reproductive toxicity effects.
Carcinogenicity	There is no evidence of any carcinogenic effects.
General remarks	The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions,

experts for occupational health and safety and toxicologists.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw material.

12. Ecological information

12.1 Toxicity

Range [%]	Substance
10- <20	Dibenzoyl peroxide, CAS: 94-36-0
	LC50, (96h), fish: 2 mg/l.
	EC50, (48h), Daphnia magna: 2,91 mg/l

12.2 Persistence and degradability:

Behaviour in environement compartments not determined
Behaviour in sewage plant not determined
Biological degradability not determined

12.3 Bioaccumulative potential:
No information available.

12.4 Mobility in soil:
No information available.

12.5 Results of PBT and vPvB assessment
Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects
Ecological data of complete product are not available. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials. Do not discharge product unmonitored into the environment.

13. Disposal considerations

13.1 Waste treatment methods:
Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product
Coordinate disposal with the disposal contractor/authorities if necessary.
Waste no. (recommended) 080409*

Contaminated packaging
Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)	150110* 150102

14. Transport information

14.1 UN-Number
See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (AND)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)
See SECTION 14.2 in accordance with UN shipping name

14.4. Packing group
See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards
See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user
Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

15. Regulatory information

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

EEC-REGULATIONS	1967/548 (1999/45), 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt); IATA-DGR (2013).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
-Observe employment restrictions for people	Observe employment restrictions for young people.
-VOC (1999/13/CE)	0%

15.2 Chemical safety assessment
Not applicable

16. Other information

16.1 R-phrases (SECTION 3)

R 3: Extreme risk of explosion by shock, friction, fire or other Sources of ignition.
R 7. Irritating to eyes.
R 43: May cause sensitisation by skin contact.
R 53: May cause long-term adverse effects in the aquatic environment
R 48/20: Harmful – danger of serious damage to health by prolonged exposure through inhalation
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

16.2 Hazard statements (SECTION 3)

H372: Causes damage to organs through prolonged or repeated exposure.
H413: May cause long lasting harmful effects to aquatic life.
H317: May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H241: Heating may cause a fire or explosion

16.3 Abbreviations and acronyms:

ADR = Accord europém relatif au transport international des Marchandises Dangereuses par Route
RID = Réglement concernant le transport international ferroviaire des marchandises dangereuses
ADN = Accord européen relative au transport international des marachnandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived No Effect Level
DNEL= Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-CODE = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compunds
vPvB = very Persistent and very Bioaccumulative

16.4 Other information

Classification procedure	Skin Sens. 1: H317 May cause an allergic skin reaction (Calculation method) Eye Irrit. 2.: H319 Causes serious eye irritation (Calculation method)