

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name LotuSCare® Rubin***Article number:** 1002709823000**UFI:** 8DN0-02EF-C00F-CK6P

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

Restrictions on use:

Restrictions on use apply to this product according to Regulation (EU) no. 1907/2006 Annex XVII (see section 15)

Application of the substance / the mixture Hydrophobing agent/ water repellent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve
Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim
Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o. i S.S.K., ul. Obornicka 277, PL - 60-691 Poznań
Tel.: +48 61 666 10 66, zamowienia@stockmeier.pl

STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

STOCKMEIER NETHERLANDS B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk
Tel.: +31 180 41 5988, info@stockmeier.nl

STOCKMEIER Chemie Austria, Ricoweg 32b, AT - 2351 Wiener Neudorf
Tel.: +43 2236 623-40, office@stockmeier.at

KEMTAN AG, Seewenweg 6, CH – 4153 Reinach
Tel.: +41 61 711 20 20, info@kemtan.ch

STOCKMEIER CHEMICALS BELUX SA/NV, Rue de la Station 17, BE – 1300 Limal
Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien
Tel.: +43 15 32 0 999, office@hds-chemie.at

www.stockmeier.com

Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 1)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear eye protection / face protection.

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

P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of the following substances with harmless admixtures (solution in water).

Dangerous components:

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	diethylene glycol monobutyl ether Eye Irrit. 2, H319 substance with a Community workplace exposure limit	≥2,5-<10%
CAS: 1474044-71-7 EC number: 939-685-4 Reg.nr.: 01-2119983493-26	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts) Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥3-<10%
CAS: 7173-51-5 EINECS: 230-525-2 Reg.nr.: 01-2119945987-15	didecyltrimethylammonium chloride Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302, EUH071	≥0,25-<1%

SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

(Contd. on page 3)

EUE

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 2)

Regulation (EC) No 648/2004 on detergents / Labelling for contents

cationic surfactants

<5%

Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

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

5.2 Special hazards arising from the substance or mixture

Can be released in case of fire:

Nitrogen oxides (NO_x)

carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Endangered containers in the surrounding area should be cooled with a water-hose.

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid eye and skin contact.

Wear protective equipment. Keep off unprotected persons

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to enter the ground/soil.

Do not allow product to reach sewage system or water bodies.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Residues: rinse away with plenty of water.

6.4 Reference to other sections

See Section 7 for information on safe handling

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 3)

See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Open and handle container with care.

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

7.2 Conditions for safe storage, including any incompatibilities

Storage Store in cool, dry conditions in well sealed containers.

Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water hazardous substances

Store in original containers or in PE-containers.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions: Protect from frost.

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

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

112-34-5 diethylene glycol monobutyl ether

AGW (Germany)	Long-term value: 67 mg/m ³ , 10 ppm 1,5(I);EU, DFG, Y, 11
EG (Germany)	Short-term value: 101,2 mg/m ³ , 15 ppm Long-term value: 67,5 mg/m ³ , 10 ppm
MAK (Germany)	Long-term value: 67 mg/m ³ , 10 ppm Dampf und Aerosol
IOELV (EU)	Short-term value: 101,2 mg/m ³ , 15 ppm Long-term value: 67,5 mg/m ³ , 10 ppm

DNELs

112-34-5 diethylene glycol monobutyl ether

Oral	DNEL (population)	6,25 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	5 mg/kg (Long-term, systemic effects)
Dermal	DNEL (worker)	83 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	50 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	101,2 mg/m ³ (Acute, local effects)
		67,5 mg/m ³ (Long-term, local effects)
	DNEL (population)	60,7 mg/m ³ (Acute, local effects)
		40,5 mg/m ³ (Long-term - systemic + local effects)

PNECs

112-34-5 diethylene glycol monobutyl ether

Oral	PNEC oral	56 mg/kg (Nahrung) (Secondary poisoning)
	PNEC water	1,1 mg/l (freshwater)
		0,11 mg/l (marine water)
	PNEC	11 mg/l (intermittent releases)
	PNEC sediment	4,4 mg/kg dw (freshwater)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 4)

		0,44 mg/kg dw (marine water)
	PNEC soil	0,32 mg/kg dw (soil)

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

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

Breathing equipment: Not necessary if room is well-ventilated.

Hand protection Protective gloves (EN 374).

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

The selection of the 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

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

Eye/face protection Tightly sealed safety glasses.

Body protection: Protective work clothing.

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Blue
Smell:	Weak, characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	>80 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	>60 °C
Decomposition temperature:	Not determined.
pH at 20 °C	4,3
pH-value:	
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 5)

Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
Density and/or relative density	
Density at 20 °C	0,988 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Self-inflammability:	Product is not selfigniting.
Explosive properties:	Product is not potentially explosive
Evaporation rate	Not determined
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity see section 10.3**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:**

strong oxidizing agents

Strong bases

10.6 Hazardous decomposition products:

Formation of carbon monoxide, carbon dioxide and nitrogen oxides in case of fire.

EUE

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 6)

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values that are relevant for classification:

112-34-5 diethylene glycol monobutyl ether

Oral	LD50	2410-5530 mg/kg (mouse) >2000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402) 2764 mg/kg (rat) (OECD 402)
Inhalative	LC 50 / 2 h	>29 mg/l (rat)

7173-51-5 didecyldimethylammonium chloride

Oral	LD50	238 mg/kg (rat)
Dermal	LD50	3342 mg/kg (rabbit)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

112-34-5 diethylene glycol monobutyl ether

LC 50 / 96 h (static)	1300 mg/l (Lepomis macrochirus) (OECD 203)
EC 50 / 48 h (static)	>100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 48 h	4950 mg/l (Daphnia magna)
EC 50 / 96 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
EC 50 / 24 h	2850 mg/l (Daphnia magna)
EC 50 / 72 h (static)	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 96 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 48 h	>100 mg/l (Daphnia magna) (OECD 202)

7173-51-5 didecyldimethylammonium chloride

LC 50 / 96 h	0,19 mg/l (Pimephales promelas)
EC 50 / 48 h	0,062 mg/l (Daphnia magna)
EC 50 / 96 h	0,026 mg/l (Pseudokirchneriella subcapitata)

(Contd. on page 8)

EUE

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 7)

EC 50 / 72 h	0,33 mg/l (Scenedesmus subspicatus)
NOEC	0,032 mg/l (Danio rerio) (34d)
	0,01 mg/l (Daphnia magna) (21d)
EC 10 / 12 h	0,1 mg/l (Pseudomonas putida)
EC 10 / 16 h	0,13 mg/l (Pseudomonas putida)

12.2 Persistence and degradability**112-34-5 diethylene glycol monobutyl ether**

Biodegradability	~85 % (28 d, OECD 301 C)
	100 % (OECD 302 B)

7173-51-5 didecyldimethylammonium chloride

DOC - Elimination	90 % (OECD 301A)
Biodegradability	72 % (OECD 301 B)

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 assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):****112-34-5 diethylene glycol monobutyl ether**

EC 10 / 0,5 h	>1995 mg/l (activated sludge (DEV - L2)) (OECD 209 (Activated Sludge, Resp. Inhibition Test))
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7173-51-5 didecyldimethylammonium chloride

EC 50	11 mg/l (activated sludge (method OECD 209))
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Additional ecological information:**General notes:**

The product contains no organic halogen compounds (AOX).

The product contains no organic complexing agents, which are not biodegradable (DOC elimination > 80 % within 28 d)

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Dispose of used product for recycling or, if possible, for another use. Otherwise dispose of in an authorised waste disposal facility.

When used as intended, the product is discharged into waste water.

Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 8)

Uncleaned packagings:**Recommendation:**

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID/ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR/RID/ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR/RID/ADN, IMDG, IATA Class	Void
14.4 Packing group ADR/RID/ADN, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	Not applicable. No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

* SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**Labelling according to Regulation (EC) No 1272/2008**

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

Hazard pictograms

GHS05

Signal word Danger**Hazard-determining components of labelling:**

1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)

Hazard statements

H318 Causes serious eye damage.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 9)

Precautionary statements

P280 Wear eye protection / face protection.

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

P310 Immediately call a POISON CENTER/doctor.

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 55**Regulation (EU) No 649/2012**

7173-51-5 didecyldimethylammonium chloride

Annex I Part 1

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations**Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

Other regulations, limitations and prohibitive regulations**Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Application: Please refer to the technical data sheet for application instructions.**UFI market placements:**

Germany, Bulgaria, Denmark, DKE, ESE, European Union, Finland, SFS, France, Greece, Ireland, ISE, Croatia, Latvia, FL, Lithuania, LTE, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Czechia, Cyprus

Relevant phrases

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2024

Version number 107.02 (replaces version 107.01)

Revision: 23.01.2024

Trade name LotuSCare® Rubin*

(Contd. of page 10)

H400 Very toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 EUH071 Corrosive to the respiratory tract.

Department issuing data specification sheet: See section 1.3: Responding area**Date of previous version:** 22.05.2023**Version number of previous version:** 107.01**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**