

Page 1/12

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

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

Product identifier

Trade name weberepox easy (India)\_resin

Safety data sheet no.: XXP014656-a Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. Application of the substance / the mixture Construction chemicals

Details of the supplier of the safety data sheet Manufacturer/Supplier: Saint-Gobain India Pvt. Ltd. Sigapi Achi Building, Floor no. 7 18/3 Rukmini Lakshmipathy Road, Egmore Chennai- 600008 Tamil Nadu, India. Phone: +912240212121 Emergency telephone number: +912240212121(Board line number) In case of emergency: +918451931666, +919324391824

# 2 Hazards identification

#### Classification of the substance or mixture

environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Aquatic Acute 2	H401 Toxic to aquatic life.

## Label elements

**GHS** label elements

The product is classified and labelled according to the Globally Harmonised System (GHS). **Hazard pictograms** 



Signal word Warning

## Hazard-determining components of labelling:

Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700)

(Contd. on page 2)

<sup>-,</sup> - IN



Page 2/12

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

(Contd. of page 1) 4.4'-Methylenediphenol. oligometric reaction products with 1-chloro-2.3-epoxypropane oxirane, mono[(C12-14-alkyloxy)methyl] derivs Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1oxopropyl]-ω-[3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-Hazard statements H315 Causes skin irritation. H319 Causes serious eve irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. **Precautionary statements** If medical advice is needed, have product container or label at hand. P101 P102 Keep out of reach of children. P103 Read label before use. P273 Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. P280 P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing. P362 P501 Dispose of contents/container in accordance with local/regional/national/ international regulations. Other hazards The product contains silica sand with less than 1% of fine fraction and therefore is not classified as

The product contains silica sand with less than 1% of fine fraction and therefore is not classified as hazardous; however, pay attention when handling and follow the indications relating to personal protective equipment.

# Results of PBT and vPvB assessment

**PBT:** Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

# 3 Composition/information on ingredients

**Chemical characterisation: Mixtures** 

**Description:** Mixture of substances listed below with non hazardous additions.

CAS: 25068-38-6	Deaction product: biophonal A (opichlarhydrin) analys racin (number	5-10%
NLP: 500-033-5	Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number	5-10%
NLP. 500-035-5	average molecular weight ≤ 700)	
	♦ Aquatic Chronic 2, H411; ♦ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Acute Tox. 5, H313	
	Specific concentration limits: Skin Irrit. 2; H315: $C \ge 5 \%$	
	Eye Irrit. 2; H319: C ≥ 5 %	
CAS: 42423-25-6	4,4'-Methylenediphenol, oligomeric reaction products with 1-chloro-	5-10%
NLP: 500-108-2	2,3-epoxypropane	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; 🚸 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	
CAS: 68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs	2-5%
EINECS: 271-846-8	🚯 Skin Irrit. 2, H315; Skin Sens. 1, H317	



Page 3/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

CAS: 13463-67-7 titanium dioxide EINECS: 236-675-5 Acute Tox. 5, H333	1-2%
EINECS: 236-675-5 Acute Tox. 5, H333	
CAS: 38640-62-9 Bis(isopropyl)naphthalene	1-2%
EINECS: 254-052-6 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 5, H303; Acute Tox. 5, H313	
CAS: 41556-26-7 Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1-1%
EINECS: 255-437-1 Aquatic Chronic 1, H410;  Skin Sens. 1, H317; Acute Tox. 5, H303; Acute Tox. 5, H313	
CAS: 82919-37-7 Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate C	0.1-1%
EINECS: 280-060-4 Aquatic Acute 1, H400; Aquatic Chronic 1, H410; () Skin Sens. 1, H317	
	0.1-1%
ELINCS: 400-830-7 dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-ω-[3-[3-(2H-	
benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1- oxopropoxy]-	
Aquatic Acute 1, H400; Aquatic Chronic 2, H411; () Skin Sens. 1, H317	

## SVHC Void

## Additional information

The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%. The respirable fraction has an occupational exposure limit value (cf. section 8). For the wording of the listed hazard phrases refer to section 16.

# 4 First aid measures

## Description of first aid measures

## **General information**

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air and to be sure call for a doctor.

#### After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing If symptoms persist consult a doctor.

Information for doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

(Contd. on page 4)



Page 4/12

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

(Contd. of page 3)

# 5 Firefighting measures

Extinguishing media

**Suitable extinguishing agents** Use fire extinguishing methods suitable to surrounding

conditions.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

# Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

# 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

**Environmental precautions:** 

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

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

Methods and material for containment and cleaning up:

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

#### Reference to other 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

#### Handling

Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Keep receptacles tightly sealed. Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

Prevent any seepage into the ground.

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

## Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 5)



Page 5/12

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

(Contd. of page 4)

#### Trade name weberepox easy (India)\_resin

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

# 8 Exposure controls/personal protection

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

Control	parameters	
CONTROL	parameters	

Ingredients with limit values that require monitoring at the workplace:

DNELs

DNELS			
CAS: 250	68-38-6 Reaction prod	uct: bisphenol-A-(epichlorhydrin),epoxy resin (number	
	average molecular weight ≤ 700)		
Oral	Derived No Effect Level	0.75 mg/kgxday (consumer systemic long term value)	
		0.75 mg/kgxday (consumer systemic short term value)	
Dermal	Derived No Effect Level	8.33 mg/kgxday (worker systemic long term value)	
		8.33 mg/kgxday (worker systemic short term value)	
		3.571 mg/kgxday (consumer systemic long term value)	
		3.571 mg/kgxday (consumer systemic short term value)	
Inhalative	Derived No Effect Level	12.3 mg/m <sup>3</sup> (worker systemic long term value)	
		12.3 mg/m <sup>3</sup> (worker systemic short term value)	
CAS: 686	CAS: 68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs		
Oral	Derived No Effect Level	0.5 mg/kgxday (consumer systemic long term value)	

Oral	Derived No Effect Level	0.5 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	1 mg/kgxday (worker systemic long term value)
		0.5 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	3.6 mg/m <sup>3</sup> (worker systemic long term value)
		0.87 mg/m <sup>3</sup> (consumer systemic long term value)

## CAS No. Designation of material % Type Value Unit

Additional Occupational Exposure Limit Values for possible hazards during processing: Quartz respirable dust (< 5  $\mu$ m) : 0,15 mg/m<sup>3</sup>

## Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

## Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

#### **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 A2/P2.

Protection of hands: Protective gloves.

(Contd. on page 6)

<sup>------</sup> IN -



Page 6/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

(Contd. of page 5)

For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR Nitrile rubber, NBR **Eye protection:** Tightly sealed goggles **Body protection:** Protective work clothing.

9 Physical and chemical	properties
-------------------------	------------

Information on basic physical and chemica General Information	al properties
Appearance: Form: Colour: Odour: Odour threshold:	Pasty According to product specification Characteristic Not determined.
pH-value:	Not applicable.
Change in condition Melting point/freezing point: Initial boiling point and boiling range:	Undetermined. Undetermined.
Flash point:	Not applicable
Flammability (solid, gas):	Not applicable.
Ignition temperature:	185 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits: Lower: Upper: Oxidising properties	Not determined. Not determined. Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1.6-1.8 g/cm <sup>3</sup>
Bulk density: Relative density Vapour density Evaporation rate	Not applicable. Not determined. Not determined. Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Segregation coefficient (n-octanol/water) le Pow:	og Not determined.
Viscosity: dynamic:	Not determined.



Page 7/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

(Contd. of page 6)

#### Trade name weberepox easy (India)\_resin

kinematic at 20 °C: Solvent separation test: Solvent content: Organic solvents: EU-VOC (%) EU-VOC (g/L) Other information

Not determined 0.0 % 0.00 % 0.0 g/l

600,000 mm<sup>2</sup>/s

No further relevant information available.

# 10 Stability and reactivity

Reactivity Not reactive under normal conditions of use Chemical stability Stable at recommended storage conditions Thermal decomposition / Conditions to be avoided: No decomposition if used according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: No further relevant information available. Hazardous decomposition products: No dangerous decomposition products known.

# 11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

Compone	ents	Туре	Value	Species
CAS: 250	68-3	3-6 Reaction product: average molecular v		I-A-(epichlorhydrin),epoxy resin (number )0)
Oral L	D50	>5,000 mg/kg (Rat)		
Dermal L	D50	>2,000 mg/kg (Rabbit)		
CAS: 686	09-9	7-2 oxirane, mono[(C12	-14-alkylox	xy)methyl] derivs
Dermal L	D50	26,800 mg/kg (Rat)		
Primary in	rritar	it effect:		
Skin corr	osio	n/irritation Irritant to skin	and muco	us membranes.
Serious e	ye d	amage/irritation		
Strong irri	tant v	vith the danger of severe	eye injury.	
Irritating e	ffect			
Respirato	ory o	r skin sensitisation Sen	sitisation p	ossible through skin contact.
Additiona	al tox	icological information:		-
			ers accordi	ng to the calculation method of the General E
		Guidelines for Preparation		
Irritant		·····		

(Contd. on page 8)



Page 8/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

Trade name weberepox easy (India)\_resin

(Contd. of page 7)

	Effective concentration Method Assessment
CAS: 25068-	38-6 Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (numbe average molecular weight ≤ 700)
LC50/96h	2 mg/l (Leuciscus idus (Orfe))
	1.3 mg/l (Fish)
EC50/24h	4.6 mg/l (Daphnia magna)
EC50/48h	1.8 mg/l (Daphnia magna)
EC50/96h	220 mg/l (Selenastrum capricornutum (Green algae))
NOEC (21d)	0.3 mg/l (Daphnia magna)
· · ·	97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs
LC50/96h	>5,000 mg/l (Leuciscus idus (Orfe))
EC50/48h	6.08 mg/l (Daphnia magna)
NOEC (72h)	500 mg/l (Algae)
Behaviour in	and degradability No further relevant information available. a environmental systems: ative potential No further relevant information available.
Behaviour ir Bioaccumul Mobility in s	a environmental systems: ative potential No further relevant information available. oil No further relevant information available.
Behaviour in Bioaccumula Mobility in s Ecotoxical e Remark: The	a environmental systems: ative potential No further relevant information available. oil No further relevant information available.
Behaviour ir Bioaccumula Mobility in s Ecotoxical e Remark: The Additional e General note Also poisono Toxic for aqu	a environmental systems: ative potential No further relevant information available. oil No further relevant information available. ffects: e product contains substances which are toxic to fishes and bacteria. cological information: es: us for fish and plankton in water bodies. atic organisms
Behaviour ir Bioaccumula Mobility in s Ecotoxical e Remark: The Additional e General note Also poisono Toxic for aqu Danger to dri ground.	a environmental systems: ative potential No further relevant information available. oil No further relevant information available. ffects: e product contains substances which are toxic to fishes and bacteria. cological information: es: us for fish and plankton in water bodies. atic organisms nking water if even small quantities leak into the
Behaviour ir Bioaccumula Mobility in s Ecotoxical e Remark: The Additional e General note Also poisono Toxic for aqu Danger to dri ground. Do not allow Results of P PBT: Does n	a environmental systems: ative potential No further relevant information available. oil No further relevant information available. ffects: e product contains substances which are toxic to fishes and bacteria. cological information: es: us for fish and plankton in water bodies. atic organisms

Waste treatment methods Recommendation

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

(Contd. on page 9) IN



Page 9/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

(Contd. of page 8)

## Trade name weberepox easy (India)\_resin

Uncleaned packaging: Recommendation: Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

Transport information	
UN-Number ADR, IMDG, IATA	UN3082
UN proper shipping name ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin EPOXY RESIN)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Epoxy Resin, EPOXY RESIN) MARINE POLLUTANT
ΙΑΤΑ	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Epoxy Resin, EPOXY RESIN)
Transport hazard class(es)	
ADR	
Class Label	9 (M6) Miscellaneous dangerous substances and articles. 9
IMDG, IATA	
Class Label	9 Miscellaneous dangerous substances and articles. 9
Packing group ADR, IMDG, IATA	III
Environmental hazards:	Product contains environmentally hazardous substances: 4,4'-Methylenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR): Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
,	(Contd. on page 10



Page 10/12

# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

	(Contd. of page
Special precautions for user	Warning: Miscellaneous dangerous substances ar
	articles.
Danger code (Kemler):	90
EMS Number:	F-A,S-F
Stowage Category	Α
Transport in bulk according to Annex	ll of
Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 m
Transport category	3
Tunnel restriction code	-
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 m
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOL
	SUBSTANCE, LIQUID, N.O.S. (EPOXY RESI
	EPOXY RESIN), 9, III

# 15 Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII) Regulation (EC) No 1272/2008 (CLP) Directive 2004/42/CE (VOC), cf. section 9 **GHS label elements** cf. section 2 The product is classified and labelled according to the Globally Harmonicod System

The product is classified and labelled according to the Globally Harmonised System (GHS). **Hazard pictograms** 



#### Signal word Warning

Hazard-determining components of labelling:

Reaction product: bisphenol-A-(epichlorhydrin),epoxy resin (number average molecular weight ≤ 700)

4,4'-Methylenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane

(Contd. on page 11)

íN -



Page 11/12

# Safety data sheet

# according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

#### Trade name weberepox easy (India)\_resin

	(Contd. of page 10)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs	
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	
Methyl 1,2,2,6	6,6-pentamethyl-4-piperidyl sebacate
poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-	
oxopropyl]-ω-[3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-	
Hazard state	ments
H315 Causes skin irritation.	
H319 Causes serious eye irritation.	
H317 May cau	use an allergic skin reaction.
H411 Toxic to	aquatic life with long lasting effects.
Precautionar	y statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	
P305+P351+F	P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.
Directive 201	2/18/FU
	erous substances - ANNEX I None of the ingredients is listed.
Annea active sources - Annea Annetic Environment	

Seveso category E2 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t 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.

## Relevant phrases

H303 May be harmful if swallowed.

- H313 May be harmful in contact with skin.
- H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H333 May be harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Research & Development **Contact:** 

S. Nagaraju Phone: +918451931666 e-mail: nagaraju.s@saint-gobain.com

(Contd. on page 12)



Page 12/12

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.08.2019

Version number 1

Revision: 11.03.2019

(Contd. of page 11)

#### Trade name weberepox easy (India)\_resin

# Abbreviations and acronyms:

ADR: Accord européen sur le transport 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 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation 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) DNEL: Derived No-Effect Level (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern (REACH regulation) vPvB: very Persistent and very Bioaccumulative Acute Tox. 5: Acute toxicity - Category 5 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation - Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 \* Data compared to the previous version altered. According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.