Article number BGS 80897 **BGS technic KG** 

t e c h n i c

Date	printed 26.07.2019, Revision 23.08.2018	3 Version 02. Supersedes version:	01 Page 1 / 12	
SEC	SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1	Product identifier			
		Repair Putty WOOD		
		Article number: BGS 80897		
1.2	Relevant identified uses of the s	ubstance or mixture and uses advised against		
1.2.1	Relevant uses			
		Adhesive / Sealant		
1.2.2	? Uses advised against			
		None known.		
1.3	Details of the supplier of the safety data sheet			
	Company	BGS technic KG Bandwirkerstr. 3 42929 Wermelskirchen / Deutsachland Phone +49 (0)2196 72048-15 Fax +49 (0)2196 72048-20 Homepage www.bgs-shop.de E-mail mail@bgs-technic.de		
	Address enquiries to			
	Technical information	mail@bgs-technic.de		
	Safety Data Sheet	sdb@chemiebuero.de		
1.4	Emergency telephone number			
	Advisory body	+49 (0)89-19240 (24h) (deutsch und englisch)		
	Company			
SEC	TION 2: Hazards identification			

Skin Irrit. 2: H315 Causes skin irritation. Eye Irrit. 2: H319 Causes serious eye irritation. Skin Sens. 1: H317 May cause an allergic skin reaction. Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.



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## 2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

	Hazard pictograms	
	Signal word	WARNING
	Contains:	Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700)
		3-[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3- sulfanylpropane-1,2-diol
	Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
	Precautionary statements	<ul> <li>P101 If medical advice is needed, have product container or label at hand.</li> <li>P102 Keep out of reach of children.</li> <li>P280 Wear protective gloves / eye protection / face protection.</li> <li>P333+P313 If skin irritation or rash occurs: Get medical advice / attention.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337+P313 If eye irritation persists: Get medical advice / attention.</li> <li>P501 Dispose of contents/container in accordance with local/national regulation.</li> </ul>
	Special labelling	EUH205 Contains epoxy constituents. May produce an allergic reaction.
2.3	Other hazards	

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

# **SECTION 3: Composition / Information on ingredients**

### Product-type:

Other hazards

#### The product is a mixture.

<b>D F</b> (4)			
Range [%	Substance	oxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol	
10 - 20	3-[3-(3-hydroxyprop		
CAS: 7224		EINECS/ELINCS: 615-735-8, Reg-No.: 01-2120118957-46	
	GHS/CLP: Skin Se	ns. 1B: H317 - Aquatic Chronic 3: H412	
10 - 20	Reaction product: I	pisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700)	
	CAS: 25068-38-6,	EINECS/ELINCS: 500-033-5, EU-INDEX: 603-074-00-8, Reg-No.: 01-2119456619-26-XXXX	
	GHS/CLP: Skin Irri	t. 2: H315 - Eye Irrit. 2: H319 - Skin Sens. 1: H317 - Aquatic Chronic 2: H411	
1 - <3	2,4,6-Tris(dimethyl	aminomethyl)phenol	
	CAS: 90-72-2, EIN	ECS/ELINCS: 202-013-9, EU-INDEX: 603-069-00-0, Reg-No.: 01-2119560597-27	
	GHS/CLP: Acute T	ox. 4: H302 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319	
CTION 4. First aid	measures	For full text of H-statements: see SECTION 16.	
CTION 4: First aid			
	irst aid measures		
Description of f	irst aid measures	3	
Description of f General informati	irst aid measures	Change soaked clothing.	
Description of f General informati Inhalation	irst aid measures	Change soaked clothing. Ensure supply of fresh air. In the event of symptoms seek medical treatment. In case of contact with skin wash off immediately with soap and water.	



4.2 Most important symptoms and effects, both acute and delayed     Irriart effects     4.3 Indication of any immediate medical attention and special treatment needed     Treat symptomatically,     Forward this sheet to the doctor.     SECTION 5: Fire-fighting measures 5.1 Extinguishing media     Suitable axinguishing media     Suitable axinguishing media     Suitable axinguishing media     Suitable extinguishing media     Suitable extinguishing media     Suitable extinguishing media     Suitable extinguishing media that must not     be used 5.2 Special hazards arising from the substance or mixture     Risk of formation of toxic pyrolysis products. 5.3 Advice for firefighters     Use self-contained breathing apparatus.     Fire residues and contaminated firefighting water must be disposed of in accordance within     the local regulations.  SECTION 6: Accidental release measures 6.1 Personal precautions, protective equipment and emergency procedures     High risk of slipping due to leakage/spillage of product. 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.     Dispose of absorbed material in accordance within the regulations. 6.4 Reference to other sections     See SECTION 8+13  SECTION 7: Handling and storage 7.1 Precautions for safe handling     No special measures necessary if used correctly.     Use hards before breaks and after work.     Use hariners in corream.     Contaminated work clothing and wash before r	42929 Wermelskirchen / Deutsachland				
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No special measures necessary if used correctly.         Do not eat, drink or smoke when using this product.         Wash hands before breaks and after work.         Use barrier skin cream.         Contaminated work clothing should not be allowed out of the workplace.         Take off contaminated clothing and wash before reuse.         7.2 Conditions for safe storage, including any incompatibilities         Keep only in original container.	SEC	TION 7: Handling and storage			
Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Use barrier skin cream. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse. 7.2 Conditions for safe storage, including any incompatibilities Keep only in original container.	7.1	Precautions for safe handling			
<ul> <li>Wash hands before breaks and after work.</li> <li>Use barrier skin cream.</li> <li>Contaminated work clothing should not be allowed out of the workplace.</li> <li>Take off contaminated clothing and wash before reuse.</li> </ul> 7.2 Conditions for safe storage, including any incompatibilities Keep only in original container.			No special measures necessary if used correctly.		
<ul> <li>Wash hands before breaks and after work.</li> <li>Use barrier skin cream.</li> <li>Contaminated work clothing should not be allowed out of the workplace.</li> <li>Take off contaminated clothing and wash before reuse.</li> </ul> 7.2 Conditions for safe storage, including any incompatibilities Keep only in original container.			Do not oot, drink or omelie when wine this are the		
Use barrier skin cream. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse. 7.2 Conditions for safe storage, including any incompatibilities Keep only in original container.			<b>G 1</b>	Л.	
Take off contaminated clothing and wash before reuse.         7.2 Conditions for safe storage, including any incompatibilities         Keep only in original container.					
Keep only in original container.			•	•	
Keep only in original container.	7.2	Conditions for safe storage, incl	uding any incompatibilities		
Do not store together with ovidizing agents	_	· · · · · · · · · · · · · · · · · · ·			
Do not store together with oxidizing agents.			Do not store together with oxidizing agents.		
Keep container tightly closed.			Keep container tightly closed.		
Keep container in a well-ventilated place. Keep in a cool place.					

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7.3 Specific end use(s)

See product use, SECTION 1.2

# Safety Data Sheet 1907/2006/EC - REACH (GB) Repair Putty WOOD

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## SECTION 8: Exposure controls / personal protection

#### 8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

DNEL

PNEC

38-6	n product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700), CAS: 25
	al, inhalative, Long-term - systemic effects: 12,3 mg/m <sup>3</sup> .
	al, inhalative, Acute - systemic effects: 12,3 mg/m <sup>3</sup> .
	al, dermal, Long-term - systemic effects: 8,3 mg/kg bw/d.
	al, dermal, Acute - systemic effects: 8,3 mg/kg bw/d.
	population, oral, Long-term - systemic effects: 0,75 mg/kg bw/d.
-	population, oral, Acute - systemic effects: 0,75 mg/kg bw/d.
0	population, dermal, Long-term - systemic effects: 3,6 mg/kg bw/d.
-	population, dermal, Acute - systemic effects: 3,6 mg/kg bw/d.
-	population, inhalative, Long-term - systemic effects: 0,75 mg/m <sup>3</sup> .
	population, inhalative, Acute - systemic effects: 0,75 mg/m <sup>3</sup> .
-	nydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS
Industria	al, dermal, Long-term - systemic effects: 2.7 mg/kg bw/d (AF=90).
Industria	al, inhalative, Long-term - systemic effects: 22 mg/m <sup>3</sup> (AF=6).
general	population, inhalative, Long-term - systemic effects: 6.52 mg/m <sup>3</sup> (AF=10).
general	population, dermal, Long-term - systemic effects: 1.61 mg/kg bw/d (AF=150).
38-6	
501, 190	
aadimaa	δ μg/kg soil dw.
	ht (seaater), 99,6 μg/kg sediment dw.
sedimer	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw.
sedimer sewage	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L.
sedimer sewage seawate	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L.
sedimer sewage seawate freshwa	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L.
sedimer sewage seawate freshwa 3-[3-(3-I 72244-9	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 18-5
sedimer sewage seawate freshwa 3-[3-(3-H 72244-9 soil, 23	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw.
sedimer sewage seawate freshwa 3-[3-(3-I 72244-9 soil, 23 sedimer	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw.
sedimer sewage seawate freshwa 3-[3-(3-I 72244-9 soil, 23 sedimer	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw.
sedimer sewage seawate freshwa 3-[3-(3-I 72244-5 soil, 23 sedimer sedimer sewage	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (freshwater), 322 μg/kg dw. treatment plants (STP), 10 mg/l (AF=100).
sedimer sewage seawate freshwa 3-[3-(3-I 72244-5 soil, 23 sedimer sedimer sewage seawate	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (freshwater), 322 μg/kg dw. treatment plants (STP), 10 mg/l (AF=100). er, 7μg/l (AF=500).
sedimer sewage seawate freshwa 3-[3-(3-I 72244-5 soil, 23 sedimer sedimer sewage seawate freshwa	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (seaater), 322 μg/kg dw. ht (freshwater), 322 μg/kg dw. treatment plants (STP), 10 mg/l (AF=100). er, 7μg/l (AF=500). ter, 70μg/l (AF=50).
sedimer sewage seawate freshwa 3-[3-(3-I 72244-5 soil, 23 sedimer sedimer sewage seawate freshwa	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (freshwater), 322 μg/kg dw. treatment plants (STP), 10 mg/l (AF=100). er, 7μg/l (AF=500).
sedimer sewage seawate freshwa 3-[3-(3-I 72244-5 soil, 23 sedimer sedimer sewage seawate freshwa 2,4,6-Tr sewage	ht (seaater), 99,6 μg/kg sediment dw. ht (freshwater), 996 μg/kg sediment dw. treatment plants (STP), 10 mg/L. er, 600 ng/L. ter, 6 μg/L. hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS 8-5 μg/kg dw. ht (seaater), 32 μg/kg dw. ht (seaater), 322 μg/kg dw. ht (freshwater), 322 μg/kg dw. treatment plants (STP), 10 mg/l (AF=100). er, 7μg/l (AF=500). ter, 70μg/l (AF=50).



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#### 8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: > 0,4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3). In splash contact: > 0,4 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).
Skin protection	not applicable
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale vapours. Avoid contact with eyes and skin.
Respiratory protection	not applicable
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Form	pasty
Color	grey
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	> 200
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1,85
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	No information available.
Viscosity	not applicable
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

9.2 Other information

none

# SECTION 10: Stability and reactivity

# 10.1 Reactivity

See SECTION 10.3.

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#### 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.

## 10.5 Incompatible materials

See SECTION 7

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

#### Acute toxicity

Substance
Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700), CAS: 25068- 38-6
LD50, dermal, Rat: > 2000 mg/kg bw.
LD50, oral, Rat: > 2000 mg/kg bw.
3-[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS: 72244-98-5
LD50, dermal, Rabbit: > 10 200 mg/kg bw.
LD50, oral, Rat: 2600 mg/kg bw.
LC50, inhalative, Rat: > 0.1 mg/l.

Serious eye damage/irritation	Toxicological data of complete product are not available. Irritant Calculation method
Skin corrosion/irritation	Toxicological data of complete product are not available. Irritant Calculation method
Respiratory or skin sensitisation	Toxicological data of complete product are not available. Sensitizing. Calculation method
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled.
General remarks	
	Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working i

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.

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# SECTION 12: Ecological information

#### 12.1 Toxicity

Substance
Reaction product: bisphenol-A-(epichlorhydrin) Epoxy resin (number average molecular weight ≤ 700), CAS: 25068- 38-6
LC50, (72h), Algae: 11 mg/L.
LC50, (96h), fish: 2 mg/L.
EC50, (48h), Crustacea: 1,8 mg/L.
IC50, (3h), Bacteria: 100 mg/L.
3-[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol, CAS: 72244-98-5
LC50, (96h), Danio rerio: 87 mg/l.
EC50, (21d), Daphnia magna: 3,5 mg/l.
EC50, (48h), Daphnia magna: 12 mg/l.
ErC50, (72h), Desmodesmus subspicatus: > 733 mg/l.

#### 12.2 Persistence and degradability

Behaviour in environment 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

No information available.

#### 12.6 Other adverse effects

The product was classified on the basis of the calculation procedure of the preparation directive.

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Waste material c 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

	Dispose of as hazardous waste. Disposal in an incineration plant in accordance with the regulations of the local authorities.
Waste no. (recommended)	080409*
Contaminated packaging	
	Packaging that cannot be cleaned should be disposed of as for product. Uncontaminated packaging may be taken for recycling.
Waste no. (recommended)	150110*

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ADR/RID

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SECTION 14: Transport information			
14.1 UN number			
Transport by land according to	not applicable		

	Inland navigation (ADN)	not applicable
	Marine transport in accordance with IMDG	not applicable
	Air transport in accordance with IATA	not applicable
14.2	UN proper shipping name	

Transport by land according to NO DANGEROU ADR/RID	IS GOODS
--	----------

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with NOT CLASSIFIED AS "DANGEROUS GOODS" IMDG

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

# 14.3 Transport hazard class(es)

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable

Marine transport in accordance with not applicable IMDG

Air transport in accordance with IATA not applicable

# 14.4 Packing group

Transport by land according to not applicable ADR/RID

Inland navigation (ADN) not applicable

Marine transport in accordance with not applicable IMDG

Air transport in accordance with IATA not applicable

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4.5	Environmental hazards		
	Transport by land according to ADR/RID	no	
	Inland navigation (ADN)	no	
	Marine transport in accordance with IMDG	no	
	Air transport in accordance with IATA	N no	
4.6	Special precautions for user		
	Relevant information under SECTION 6	to 8.	
14.7		to 8. nnex II of MARPOL and the IBC Code	
4.7			
	Transport in bulk according to Ar not applicable		
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information	nnex II of MARPOL and the IBC Code	
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information		2/2008;
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information Safety, health and environmental	regulations/legislation specific for the substance or mixture 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272	
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information Safety, health and environmental EEC-REGULATIONS	nnex II of MARPOL and the IBC Code regulations/legislation specific for the substance or mixture 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014	2018).
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information Safety, health and environmental EEC-REGULATIONS TRANSPORT-REGULATIONS	regulations/legislation specific for the substance or mixture 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014 DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017)	2018). 2011).
SEC	Transport in bulk according to Ar not applicable TION 15: Regulatory information Safety, health and environmental EEC-REGULATIONS TRANSPORT-REGULATIONS NATIONAL REGULATIONS (GB): - Observe employment restrictions	regulations/legislation specific for the substance or mixture 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014 DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2 EH40/2005 Workplace exposure limits (Second edition, published December 2 Observe employment restrictions for mothers-to-be and nursing mothers. Obs	2018). 2011).
5.1	Transport in bulk according to Ar not applicable TION 15: Regulatory information Safety, health and environmental EEC-REGULATIONS TRANSPORT-REGULATIONS NATIONAL REGULATIONS (GB): - Observe employment restrictions for people	regulations/legislation specific for the substance or mixture 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014 DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2 EH40/2005 Workplace exposure limits (Second edition, published December 2 Observe employment restrictions for mothers-to-be and nursing mothers. Obs employment restrictions for young people.	2018). 2011).

# SECTION 16: Other information

## 16.1 Hazard statements (SECTION 03)

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

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16.2	Abbreviations and	acronyms:
16.2	Abbreviations and	acronyms:

16.2	Abbreviations and acronyms:	
		ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
		RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
		ADN = Accord européen relatif au transport international des marchandises dangereuses par
		voie de navigation intérieure ATE = acute toxicity estimate
		CAS = Chemical Abstracts Service
		CLP = Classification, Labelling and Packaging
		DMEL = Derived Minimum 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
		LC0 = lethal concentration, 0%
		LOAEL = lowest-observed-adverse-effect level MARPOL = International Convention for the Prevention of Marine Pollution from Ships
		NOAEL = No Observed Adverse Effect Level
		NOEC = No Observed Effect Concentration PBT = Persistent, Bioaccumulative and Toxic substance
		PNEC = Predicted No-Effect Concentration
		REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
		STP = Sewage Treatment Plant TLV®/TWA = Threshold limit value – time-weighted average
		TLV®STEL = Threshold limit value – short-time exposure limit
		VOC = Volatile Organic Compounds vPvB = very Persistent and very Bioaccumulative
40.0		
16.3	Other information	
	Customs Tariff	not determined
	Classification procedure	Skin Irrit. 2: H315 Causes skin irritation. (Calculation method) Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
		Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
		Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)
	Modified position	SECTION 2 been added: H412 Harmful to aquatic life with long lasting effects.
		SECTION 2 been added: Aquatic Chronic 3
		SECTION 2 deleted: Aquatic Chronic 2
		SECTION 2 deleted: H411 Toxic to aquatic life with long lasting effects.
		SECTION 2 been added: H319 Causes serious eye irritation.
		SECTION 2 been added: Eye Irrit. 2
		SECTION 2 deleted: Eye Dam. 1
		SECTION 2 been added: H315 Causes skin irritation.
		SECTION 2 been added: Skin Irrit. 2
		SECTION 2 deleted: Skin Corr. 1B
		SECTION 2 deleted: H314 Causes severe skin burns and eye damage.
		SECTION 2 deleted: DANGER
		SECTION 2 deleted: corrosion
		SECTION 14 been added: no dangerous goods

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