

according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

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

1.1. Product identifier

ARC S1HB(E) Part B

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

Use of the substance/mixture

For use as a high build coating on properly prepard sureface where mild chemical and abrasion exposures are anticipated.

Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
e-mail:	eu-sds@chesterton.com	
e-mail (Contact person):	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	
1.4. Emergency telephone	+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)	

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Acute toxicity: Acute Tox. 4 Skin corrosion/irritation: Skin Corr. 1 Serious eye damage/eye irritation: Eye Dam. 1 Respiratory or skin sensitisation: Skin Sens. 1 Specific target organ toxicity - repeated exposure: STOT RE 2 Hazardous to the aquatic environment: Aquatic Acute 1 Hazardous to the aquatic environment: Aquatic Chronic 1 Hazard Statements: Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

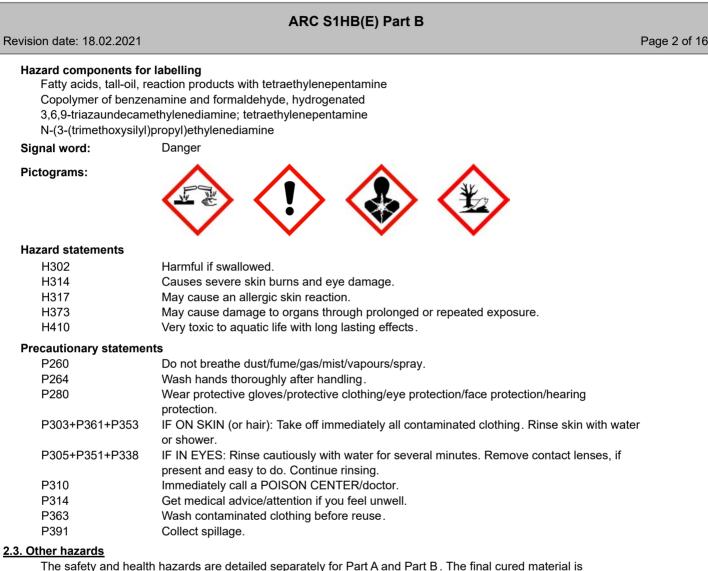
Regulation (EC) No. 1272/2008

UFI: UXAK-E158-Q2RW-9688

Page 1 of 16



according to Regulation (EC) No 1907/2006



considered nonhazardous. Upon machining, refer to the precautions in the safety data sheets for Part A and Part B.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 3 of 16

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	GHS Classification				
68953-36-6	Fatty acids, tall-oil, reaction prod	ucts with tetraethylenepentamine		25 - < 30 %	
	273-201-6				
	Skin Corr. 1C, Eye Dam. 1, Skin H400 H410	Sens. 1A, Aquatic Acute 1, Aquatic	Chronic 1; H314 H318 H317		
135108-88-2	Copolymer of benzenamine and	formaldehyde, hydrogenated		20 - < 25 %	
	603-894-6		01-2119983522-33		
	Acute Tox. 4, Skin Corr. 1, Skin S H412	Sens. 1, STOT RE 2, Aquatic Chron	ic 3; H302 H314 H317 H373		
100-51-6	benzyl alcohol	15 - < 20 %			
	202-859-9	603-057-00-5	01-2119492630-38		
	Acute Tox. 4, Acute Tox. 4, Eye I	rrit. 2; H332 H302 H319			
112-57-2	3,6,9-triazaundecamethylenediar	nine; tetraethylenepentamine		5 - < 10 %	
	203-986-2	612-060-00-0			
	Acute Tox. 4, Acute Tox. 4, Skin H317 H411	Corr. 1B, Skin Sens. 1, Aquatic Chr	onic 2; H312 H302 H314		
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethyl	enediamine		< 1 %	
	217-164-6		01-2119970215-39		
	Acute Tox. 4, Eye Dam. 1, Skin S	Sens. 1, STOT RE 2; H332 H318 H3	317 H373		

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	No EC No Chemical name				
	Specific Con	c. Limits, M-factors and ATE			
135108-88-2	35108-88-2 603-894-6 Copolymer of benzenamine and formaldehyde, hydrogenated				
	dermal: LD5	i0 = > 1000 mg/kg; oral: LD50 = > 50 - < 300 mg/kg			
100-51-6	202-859-9	benzyl alcohol	15 - < 20 %		
		TE = 11 mg/l (vapours); inhalation: LC50 = >4,178 mg/l (dusts or mists); dermal: 00 mg/kg; oral: LD50 = 1580 mg/kg			
112-57-2	203-986-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	5 - < 10 %		
	dermal: LD5	0 = 660 mg/kg; oral: ATE = 500 mg/kg			
1760-24-3	217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine	< 1 %		
		TE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = g; oral: LD50 = 2295 mg/kg			

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. In case of allergic symptoms, especially in the



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 4 of 16

breathing area, seek medical advice immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Immediately call a doctor.

After contact with skin

Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Processing vapours can irritate the respiratory tracts, skin and eyes. May produce an allergic reaction.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO2)
- Dry extinguishing powder

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

- Carbon monoxide
- Ammonia (NH3)
- Nitrogen oxides (NOx).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Avoid contact with skin, eyes and clothes. Avoid release to the environment.



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 5 of 16

Safe handling: see section 7 Personal protection equipment: see section 8

6.2. Environmental precautions

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8). Wash hands and face before breaks and after work and take a shower if necessary. Take off immediately all contaminated clothing and wash it before reuse. Contaminated leather including shoes cannot be decontaminated and should be discarded. Avoid creating and breathing dust during removal, drilling, grinding, sawing or sanding. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Store in a dry place.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 6 of 16

DNEL/DMEL values

CAS No Substance				·
DNEL type		Exposure route	Effect	Value
135108-88-2 Copolymer of	benzenamine and formaldehyde, hydrog	genated		
Worker DNEL, long-term		inhalation	systemic	0,2 mg/m³
Worker DNEL, acute		inhalation	systemic	2 mg/m ³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	6 mg/kg bw/day
3				
100-51-6 benzyl alcoho	I			
Worker DNEL, long-term		inhalation	systemic	22 mg/m³
Worker DNEL, acute		inhalation	systemic	110 mg/m ³
Worker DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	40 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	5,4 mg/m³
Consumer DNEL, acute		inhalation	systemic	27 mg/m ³
Consumer DNEL, long-term		dermal	systemic	4 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	20 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	20 mg/kg bw/day
,				
1760-24-3 N-(3-(trimetho	xysilyl)propyl)ethylenediamine			
Worker DNEL, long-term		inhalation	local	0,6 mg/m³
Worker DNEL, acute		inhalation	local	5,36 mg/m³
Consumer DNEL, long-term		inhalation	local	0,1 mg/m³
Consumer DNEL, acute		inhalation	local	4 mg/m³
Worker DNEL, long-term		inhalation	systemic	260 mg/m³
Worker DNEL, acute		inhalation	systemic	260 mg/m³
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	50 mg/m³
Consumer DNEL, acute		inhalation	systemic	50 mg/m³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	17 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	8 mg/kg bw/day



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 7 of 16

PNEC values

CAS No	Substance	
Environmental	compartment	Value
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated	
Freshwater		0,015 mg/l
Freshwater (in	termittent releases)	0,15 mg/l
Marine water		0,002 mg/l
Freshwater see	diment	15 mg/kg
Marine sedime	nt	1,5 mg/kg
Micro-organisn	ns in sewage treatment plants (STP)	1,9 mg/l
Soil		1,8 mg/kg
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Freshwater (in	termittent releases)	2,3 mg/l
Marine water		0,1 mg/l
Freshwater see	diment	5,27 mg/kg
Marine sedime	nt	0,527 mg/kg
Micro-organisn	ns in sewage treatment plants (STP)	39 mg/l
Soil		0,456 mg/kg
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	
Freshwater		0,062 mg/l
Freshwater (in	termittent releases)	0,62 mg/l
Marine water		0,006 mg/l
Freshwater see	diment	0,22 mg/kg
Marine sedime	nt	0,022 mg/kg
Micro-organisn	ns in sewage treatment plants (STP)	25 mg/l
Soil		0,009 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations. Avoid dust formation. Knock down dust with water spray jet.

Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

Eye/face protection

Eye glasses with side protection goggles



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 8 of 16

Hand protection

Tested protective gloves must be worn: EN ISO 374 NBR (Nitrile rubber) PVC (polyvinyl chloride) Thickness of the glove material >= 0,4 mm Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wearing time with occasional contact (splashes): max. 480 min. (NBR (Nitrile rubber)) Wearing time with permanent contact 240 - 480 min (NBR (Nitrile rubber))

Observe the wear time limits as specified by the manufacturer.

Wear cotton undermitten if possible.

Skin protection

Chemical protection clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Environmental exposure controls

Section 6: Accidental Release Measures Section 12: Ecological Information (non-mandatory)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Self-ignition temperature Solid:		No data available	
Upper explosion limits:		No data available	
Lower explosion limits:		No data available	
Explosive properties No information available.			
Gas:		No data available	
Solid/liquid:		No data available	
Flammability			
Sustaining combustion:		Not sustaining combustion	
Flash point:		122 °C	
Boiling point or initial boiling point and boiling range:		No data available	
Melting point:		No data available	
Changes in the physical state			
pH-Value:		not applicable	
	,		Test method
Odour:	Amines		
Colour:	beige		
Physical state:	Paste		



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B					
Revision date: 18.02.2021		Page 9 of 16			
Gas:	No data available				
Decomposition temperature:	No data available				
Oxidizing properties No information available.					
Vapour pressure:	No data available				
Density:	1,25 g/cm³				
Water solubility:	practically insoluble				
Solubility in other solvents No information available.					
Viscosity / dynamic: (at 25 °C)	8000 mPa·s				
Relative vapour density:	> 1	(Air=1)			
Evaporation rate:	< 1	(Ether=1)			
9.2. Other information					
No information available.					

SECTION 10: Stability and reactivity

10.1. Reactivity

Information is given in subsection 10.3., 10.5

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials

Strong acid Strong alkali Oxidising agent, strong Chlorine Oxygen,

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), Carbon monoxide, Carbon dioxide (CO2), Nitric acid, Gases/vapours, toxic

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1549,0 mg/kg



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 10 of 16

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
135108-88-2	Copolymer of benzenami	ine and form	aldehyde, hy	/drogenated	•	
	oral	LD50 300 mg/kg	> 50 - <	Rat	Study report (2005)	OECD Guideline 423
	dermal	LD50 mg/kg	> 1000	Rabbit	Study report (1988)	other: 40CFR Part 158 Series 81-2, EPA P
100-51-6	benzyl alcohol					
	oral	LD50 mg/kg	1580	Mouse	Cosmet. Toxicol. 11, 1011-1013 (1973) (1	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Raw Material Data Handbook, Vol.1:(Orga	EPA OTS 798.1100
	inhalation vapour	ATE	11 mg/l			
	inhalation (4 h) aerosol	LC50 mg/l	>4,178	Rat	ECHA	OECD 403
112-57-2	3,6,9-triazaundecamethy	lenediamine;	tetraethyler	nepentamine		
	oral	ATE mg/kg	500			
	dermal	LD50 mg/kg	660	Rabbit	RTECS	
1760-24-3	N-(3-(trimethoxysilyl)prop	yl)ethylened	iamine			
	oral	LD50 mg/kg	2295	Rat	Study report (2001)	EPA OPPTS 870.1100
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (2000)	EPA OPPTS 870.1200
	inhalation vapour	ATE	11 mg/l			
	inhalation aerosol	ATE	1,5 mg/l			

Irritation and corrosivity

Causes severe skin burns and eye damage. Causes serious eye damage.

Sensitising effects

May cause an allergic skin reaction. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine; Copolymer of benzenamine and formaldehyde, hydrogenated; 3,6,9-triazaundecamethylenediamine; tetraethylenepentamine; N-(3-(trimethoxysilyl)propyl)ethylenediamine)

Carcinogenic/mutagenic/toxic effects for reproduction

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

May cause damage to organs through prolonged or repeated exposure. (Copolymer of benzenamine and formaldehyde, hydrogenated)



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 11 of 16

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
135108-88-2	Copolymer of benzenami	ne and form	naldehyde, hy	drogenat	ted				
	Acute fish toxicity	LC50	63 mg/l	96 h	Poecilia reticulata	REACh Registration Dossier	OECD Guideline 203		
	Acute algae toxicity	ErC50 mg/l	43,94	72 h	Desmodesmus subspicatus	Study report (2012)	EU Method C.3		
100-51-6	benzyl alcohol								
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oryzias latipes	Review article or handbook (2009)	OECD Guideline 203		
	Acute algae toxicity	ErC50	770 mg/l	72 h	Pseudokirchneriella subcapitata	Review article or handbook (2009)	OECD Guideline 201		
	Acute crustacea toxicity	EC50	230 mg/l	48 h	Daphnia magna	Review article or handbook (2009)	OECD Guideline 202		
	Fish toxicity	NOEC mg/l	48,897	30 d	Fish species	http://epa.gov/oppt /exposure/pubs/ep isui	other: QSAR		
	Algae toxicity	NOEC	51 mg/l	3 d					
	Crustacea toxicity	NOEC	51 mg/l	21 d	Daphnia magna	Review article or handbook (2009)	OECD Guideline 211		
	Acute bacteria toxicity	(1385 m	g/l)	3 h	activated sludge, domestic	Study report (1989)	OECD Guideline 209		
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine								
	Acute fish toxicity	LC50	420 mg/l	96 h	Poecilia reticulata				
	Acute algae toxicity	ErC50	2,1 mg/l	72 h	Selenastrum capricornutum				
	Acute crustacea toxicity	EC50 mg/l	24,1	48 h	Daphnia magna				
1760-24-3	N-(3-(trimethoxysilyl)prop	yl)ethylene	diamine						
	Acute fish toxicity	LC50	597 mg/l	96 h	Danio rerio	REACh Registration Dossier	EU Method C.1		
	Acute algae toxicity	ErC50	8,8 mg/l	72 h	Pseudokirchneriella subcapitata	REACh Registration Dossier	OECD Guideline 201		
	Acute crustacea toxicity	EC50	81 mg/l	48 h	Daphnia magna	REACh Registration Dossier	EU Method C.2		

12.2. Persistence and degradability

©A. W. Chesterton Company, 2021 All Rights Reserved. ®Reg. US Patent and TM Office



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 12 of 16

CAS No	Chemical name					
	Method	Value	d	Source		
	Evaluation					
100-51-6	benzyl alcohol					
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	95 - 97%	21			
	Readily biodegradable (according to OECD criteria).					

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
135108-88-2	Copolymer of benzenamine and formaldehyde, hydrogenated	2,68
100-51-6	benzyl alcohol	1
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	-1,05
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	-0,3

BCF

CAS No	Chemical name	BCF	Species	Source
	Copolymer of benzenamine and formaldehyde, hydrogenated	> 18 - < 22	Cyprinus carpio	Study report (1997)
100-51-6	benzyl alcohol	1,371	QSAR model	http://epa.gov/oppt/

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)	
<u>14.1. UN number:</u>	UN 2735
14.2. UN proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine)
14.3. Transport hazard class(es):	8



according to Regulation (EC) No 1907/2006

ARC STHB(E) Part B	ARC S1HB(E) Part B			
Revision date: 18.02.2021 Pag	e 13 of 16			
14.4. Packing group:				
Hazard label: 8				
Classification code: C7				
Special Provisions: 274				
Limited quantity: 5 L				
Excepted quantity: E1				
Transport category: 3				
Hazard No: 80				
Tunnel restriction code: E				
Inland waterways transport (ADN)				
14.1. UN number: UN 2735				
<u>14.2. UN proper shipping name:</u> AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine)				
14.3. Transport hazard class(es): 8				
14.4. Packing group:				
Hazard label: 8				
Classification code: C7				
Special Provisions: 274				
Limited quantity: 5 L				
Excepted quantity: E1				
Marine transport (IMDG)				
14.1. UN number: UN 2735				
<u>14.2. UN proper shipping name:</u> AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine)				
14.3. Transport hazard class(es): 8				
14.4. Packing group:				
Hazard label: 8				
Special Provisions: 223, 274				
Limited quantity: 5 L				
Excepted quantity: E1				
EmS: F-A, S-B				
Segregation group: 18 - alkalis				
Air transport (ICAO-TI/IATA-DGR)				
14.1. UN number: UN 2735				
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Fatty acids, tall-oil, reaction products with tetraethylenepentamine)				
14.3. Transport hazard class(es): 8				
14.4. Packing group:				
Hazard label: 8				
Special Provisions: A3 A803				
Limited quantity Passenger: 1 L				
Passenger LQ: Y841				
Excepted quantity: E1				



according to Regulation (EC) No 1907/2006

	ARC S1HB(E) Part B	
Revision date: 18.02.2021		Page 14 of 16
IATA-packing instructions - Passenger:	852	
IATA-max. quantity - Passenger:	5 L	
IATA-packing instructions - Cargo:	856	
IATA-max. quantity - Cargo:	60 L	
14.5. Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	Yes	
Danger releasing substance:	Fatty acids, tall-oil, reaction products with tetraethylenepentamine, 3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	
14.6. Special precautions for user		
No information available.		
14.7. Maritime transport in bulk according to	o IMO instruments	
No information available.		
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regul	ations/legislation specific for the substance or mixture	
EU regulatory information		
Restrictions on use (REACH, annex XVII):		
Entry 3		
Information according to 2012/18/EU	Not subject to 2012/18/EU (SEVESO III)	
(SEVESO III):		
National regulatory information		
Water hazard class (D):	2 - obviously hazardous to water	
15.2. Chemical safety assessment		
For the following substances of this mi	xture a chemical safety assessment has been carried out:	
Fatty acids, tall-oil, reaction products w	•	
Copolymer of benzenamine and forma	ldehyde, hydrogenated	
benzyl alcohol		
N-(3-(trimethoxysilyl)propyl)ethylenedia	amine	
SECTION 16: Other information		
Abbreviations and acronyms		
-	t des marchandises dangereuses par Route	
	nternational Carriage of Dangerous Goods by Road)	
	le transport des marchandises dangereuses par chemin de fer	
(Regulations Concerning the Internatio	nal Transport of Dangerous Goods by Rail)	
IMDG: International Maritime Code for		
IATA: International Air Transport Assoc		
	ons by the "International Air Transport Association" (IATA)	
ICAO: International Civil Aviation Organ		
-	"International Civil Aviation Organization" (ICAO)	
CLP: Classification, labelling and Pack REACH: Registration, Evaluation and A		
	Autorization of Chemicals	

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 15 of 16

UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
sification for minture and evolution method coordina to Demulsion (EQ) No.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
H412	Harmful to aquatic life with long lasting effects.

Further Information

This information is based solely on data privided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.

©A. W. Chesterton Company, 2021 All Rights Reserved. ®Reg. US Patent and TM Office



according to Regulation (EC) No 1907/2006

ARC S1HB(E) Part B

Revision date: 18.02.2021

Page 16 of 16

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)