

according to Regulation (EC) No 1907/2006

Ceramic-Polymer NK C5-2 Part A

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

1.1. Product identifier

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

Use of the substance/mixture

Colour

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	DE-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: Flammable liquid: Flam. Liq. 3 Skin corrosion/irritation: Skin Irrit. 2 Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Skin Sens. 1 Hazard Statements: Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis(oxirane) Phenol, methylstyrenated 2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

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Signal word:	Warning					
Pictograms:						
Hazard statements						
H226	Flammable liquid and vapour.					
H315	Causes skin irritation.					
H317	May cause an allergic skin reaction.					
H319	Causes serious eye irritation.					
Precautionary statemer	nts					
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.					
P241	Use explosion-proof electrical/ventilating/lighting equipment.					
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.					
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with wate or shower.	∍r				
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.					
P501	Dispose of contents/container to an appropriate recycling or disposal facility.					

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous components

CAS No	Chemical name					
	EC No	Index No	REACH No			
	GHS Classification		·			
25036-25-3	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'- ((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis(oxirane)					
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens	. 1; H315 H319 H317				
68512-30-1	Phenol, methylstyrenated			7 - < 10 %		
	270-966-8		01-2119555274-38			
	Skin Sens. 1, Aquatic Chronic 3; H	H317 H412				
107-98-2	1-methoxy-2-propanol; monoprop	5 - < 7 %				
	203-603-9	603-064-00-3				
	Flam. Liq. 3, Acute Tox. 3, STOT	SE 3; H226 H331 H336				
1675-54-3	2,2'-[(1-Methylethyliden)bis(4,1-pl	3 - < 5 %				
	216-823-5	603-073-00-2	01-2119456619-26			
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens	. 1; H315 H319 H317				
108-65-6	2-methoxy-1-methylethyl acetate			3 - < 5 %		
	203-603-9	607-195-00-7	01-2119475791-29			
	Flam. Liq. 3; H226	•	•			
1330-20-7	xylene			1 - < 2,5 %		
	215-535-7	601-022-00-9				
	Flam. Liq. 3, Acute Tox. 4, Acute	Tox. 4, Skin Irrit. 2; H226 H332	H312 H315			
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.					
	271-846-8	603-103-00-4	01-2119485289-22			
	Skin Irrit. 2, Skin Sens. 1; H315 H317					

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest.

If unconscious place in recovery position and seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.



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Do not wash with: Solvents/Thinner

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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

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

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide Carbon dioxide (CO2). Nitrogen oxides (NOx)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. 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

See protective measures under point 7 and 8. Provide adequate ventilation.

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See protective measures under point 7 and 8. Disposal: see section 13

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

Advice on protection against fire and explosion

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

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. Keep/Store only in original container.

Hints on joint storage

Keep away from: Food and feedingstuffs Oxidising agent

Further information on storage conditions

Keep away from: Frost Heat Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL



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Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid (creatinine)	650 mmol/mol	urine	Post shift



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DNEL/DMEL values

CAS No	Substance					
DNEL type		Exposure route	Effect	Value		
68512-30-1	Phenol, methylstyrenated					
Worker DNEL,	long-term	inhalation	systemic	57 mg/m³		
Worker DNEL, long-term		dermal	systemic	16,4 mg/kg bw/day		
Consumer DNE	EL, long-term	inhalation	systemic	28 mg/m³		
Consumer DNE	EL, long-term	dermal	systemic	8 mg/kg bw/day		
Consumer DNE	EL, long-term	oral	systemic	4 mg/kg bw/day		
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-	-	_		
Worker DNEL,	long-term	inhalation	systemic	369 mg/m³		
Consumer DNE	EL, long-term	inhalation	systemic	43,9 mg/m³		
Worker DNEL,	acute	inhalation	local	553,5 mg/m³		
Worker DNEL,	acute	inhalation	systemic	553,5 mg/m³		
Worker DNEL,	long-term	dermal	systemic	183 mg/kg bw/day		
Consumer DNE	EL, long-term	dermal	systemic	78 mg/kg bw/day		
Consumer DNEL, long-term		oral	systemic	33 mg/kg bw/day		
2						
108-65-6	2-methoxy-1-methylethyl acetate					
Worker DNEL,	long-term	inhalation	systemic	275 mg/m³		
Worker DNEL,	acute	inhalation	local	550 mg/m³		
Worker DNEL,	long-term	dermal	systemic	796 mg/kg bw/day		
Consumer DNE	EL, long-term	inhalation	systemic	33 mg/m³		
Consumer DNE	EL, long-term	inhalation	local	33 mg/m³		
Consumer DNE	EL, long-term	dermal	systemic	320 mg/kg bw/day		
Consumer DNE	EL, long-term	oral	systemic	36 mg/kg bw/day		
,						
1675-54-3	2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisc	oxiran				
Worker DNEL,	long-term	inhalation	local	310 mg/m ³		
Consumer DNE	EL, long-term	inhalation	local	55 mg/m³		
Worker DNEL, long-term		inhalation	systemic	4,93 mg/m³		
Worker DNEL, long-term		dermal	systemic	0,75 mg/kg bw/day		
Consumer DNE	EL, long-term	inhalation	systemic	0,87 mg/m³		
Consumer DNE	EL, long-term	dermal	systemic	0,0893 mg/kg bw/day		

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Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day		
1330-20-7 xylene					
Worker DNEL, long-term	inhalation	local	221 mg/m ³		
Consumer DNEL, long-term	inhalation	local	65,3 mg/m³		
Worker DNEL, long-term	inhalation	systemic	221 mg/m ³		
Worker DNEL, acute	inhalation	systemic	442 mg/m ³		
Worker DNEL, acute	inhalation	local	442 mg/m³		
Worker DNEL, long-term	dermal	systemic	212 mg/kg bw/day		
Consumer DNEL, long-term	inhalation	systemic	65,3 mg/m³		
Consumer DNEL, acute	inhalation	systemic	260 mg/m ³		
Consumer DNEL, acute	inhalation	local	260 mg/m ³		
Consumer DNEL, long-term	dermal	systemic	125 mg/kg bw/day		
Consumer DNEL, long-term	oral	systemic	12,5 mg/kg bw/day		
3					
68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs.					
Worker DNEL, long-term	inhalation	systemic	3,6 mg/m³		
Worker DNEL, long-term	dermal	systemic	1 mg/kg bw/day		
Consumer DNEL, long-term	inhalation	systemic	0,87 mg/m³		
Consumer DNEL, long-term	dermal	systemic	0,5 mg/kg bw/day		
Consumer DNEL, long-term	oral	systemic	0,5 mg/kg bw/day		
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Revision date: 03.04.2020 Page 9 of 20 **PNEC** values CAS No Substance Value Environmental compartment 68512-30-1 Phenol, methylstyrenated Freshwater 0,014 mg/l Freshwater (intermittent releases) 0,14 mg/l Marine water 0,0014 mg/l Freshwater sediment 52,9 mg/kg Marine sediment 5,3 mg/kg Micro-organisms in sewage treatment plants (STP) 2,4 mg/l Soil 10,5 mg/kg 107-98-2 1-methoxy-2-propanol; monopropylene glycol methyl ether Freshwater 10 mg/l 100 mg/l Freshwater (intermittent releases) Marine water 1 mg/l Freshwater sediment 52,3 mg/kg Marine sediment 5,2 mg/kg Micro-organisms in sewage treatment plants (STP) 100 mg/l Soil 4,59 mg/kg 108-65-6 2-methoxy-1-methylethyl acetate Freshwater 0,635 mg/l Freshwater (intermittent releases) 6,35 mg/l Marine water 0,064 mg/l Freshwater sediment 3,29 mg/kg Marine sediment 0,329 mg/kg Micro-organisms in sewage treatment plants (STP) 100 mg/l Soil 0,29 mg/kg 1675-54-3 2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran 0,006 mg/l Freshwater Freshwater (intermittent releases) 0,018 mg/l Marine water 0,001 mg/l Freshwater sediment 0,341 mg/kg Marine sediment 0,034 mg/kg Secondary poisoning 11 mg/kg Micro-organisms in sewage treatment plants (STP) 10 mg/l

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Soil

0,065 mg/kg



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Revision date: 03.04.2020 Page 10 of 20 1330-20-7 xylene Freshwater 0,327 mg/l Freshwater (intermittent releases) 0,327 mg/l Marine water 0,327 mg/l Freshwater sediment 12,46 mg/kg Marine sediment 12,46 mg/kg Micro-organisms in sewage treatment plants (STP) 6,58 mg/l Soil 2,31 mg/kg 68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs Freshwater 0,106 mg/l Freshwater (intermittent releases) 0,072 mg/l Marine water 0,011 mg/l Freshwater sediment 307,16 mg/kg Marine sediment 30,72 mg/kg Micro-organisms in sewage treatment plants (STP) 10 mg/l Soil 1,234 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

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.

When using do not eat, drink, smoke, sniff.

Eye/face protection

goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time (maximum wearing time): >480 min

Wearing time with occasional contact (splashes):: Thickness of the glove material: >= 0,1 mm, Breakthrough time (maximum wearing time) > 30 min

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.

Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Protective clothing



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Respiratory protection

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

Combination filtering device (EN 14387) ABEK-P2

Self-contained respirator (breathing apparatus) (DIN EN 133)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	various	
Odour:	characteristic	
pH-Value:		not determined
Changes in the physical state		
Melting point:		not determined
Initial boiling point and boiling range:		2,230 °C
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
Flash point:		35 °C
Flammability		
Solid:		not determined
Gas:		not determined
Explosive properties not explosive according to EU A.14		
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Ignition temperature:		270 °C
Auto-ignition temperature		
Solid: Gas [:]		not determined
Decomposition temperature:		not determined
Oxidizing properties		
Not oxidising.		
Vapour pressure:		13,5 hPa
Density:		1,814 g/cm ³
Water solubility:		Immiscible
Solubility in other solvents No information available.		

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Partition coefficient:	not determined	
Viscosity / dynamic:	not determined	
Viscosity / kinematic:	7 mm²/s	
Vapour density:	not determined	
Evaporation rate:	not determined	
Solvent content:	14,00	
9.2. Other information		
Solid content:	85,3	
No information available.		

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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



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CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
68512-30-1	Phenol, methylstyrenated			•				
	oral	LD50 mg/kg	> 2000	Rat	Study report (2007)	OECD Guideline 423		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2009)	OECD Guideline 402		
107-98-2	1-methoxy-2-propanol; m	onopropylene	glycol met	hyl ether				
	oral	LD50 mg/kg	4277	Rat	Study report (1985)	EU Method B.1		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1985)	EU Method B.3		
	inhalation (4 h) vapour	LC50	>20 mg/l	Rat				
	inhalation aerosol	ATE	0,5 mg/l					
1675-54-3	2,2'-[(1-Methylethyliden)k	ois(4,1-phenyl	enoxymeth	ylen)]bisoxiran	-			
	oral	LD50 mg/kg	19800	Rabbit	Publication (1958)	Rabbits were orally gavaged with test ma		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2007)	OECD Guideline 402		
	inhalation (4 h) vapour	LC50 mg/l	ca. 24,6	Rat	AMA Arch. Ind. Hyg. Occ. Med. 10: 61-68	Rats were exposed to 8000 ppm of the tes		
108-65-6	2-methoxy-1-methylethyl	acetate						
	oral	LD50 10000 mg/kg	6190 - J	Rat	Study report (1985)	OECD Guideline 401		
	dermal	LD50 mg/kg	> 2000	Rat	Study report (1985)	OECD Guideline 402		
	inhalation (4 h) aerosol	LC50 mg/l	>23,878	Rat				
1330-20-7	xylene							
	oral	LD50 mg/kg	3523	Rat	Study report (1986)	EU Method B.1		
	dermal	LD50 mg/kg	12126	Rabbit	Publication (1962)	Single dermal dose under occlusion follo		
	inhalation (4 h) vapour	LC50	6700 mg/l	Rat	Toxicol Appl Pharmacol 33:543-558. (1975	EU Method B.2		
	inhalation aerosol	ATE	1,5 mg/l					
68609-97-2	oxirane, mono[(C12-14-a	lkyloxy)methy	l] derivs.					
	oral	LD50 mg/kg	> 2000	Rat	Study report (1977)	Three groups each of four female rats re		
	inhalation (4 h) aerosol	LC50	0,206	Rat				



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Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-

((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis(oxirane); Phenol, methylstyrenated; 2,2'-

[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran; oxirane, mono[(C12-14-alkyloxy)methyl] derivs.)

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

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity





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CAS No	Chemical name							
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method	
68512-30-1	Phenol, methylstyrenated	-		-	-			
	Acute algae toxicity	ErC50	15 mg/l	72 h	Desmodesmus subspicatus	Study report (2009)	OECD Guideline 201	
	Acute crustacea toxicity	EC50	17 mg/l	48 h	Daphnia magna	Study report (2010)	OECD Guideline 202	
107-98-2	1-methoxy-2-propanol; mo	onopropylene	e glycol met	hyl ether	_			
	Acute fish toxicity	LC50 < 10000 m	> 4600 - g/l	96 h	Leuciscus idus	Study report (1989)	other: DIN 38 412, part L15	
	Acute algae toxicity	ErC50 mg/l	> 1000	96 h	Pseudokirchneriella subcapitata	Study report (1986)	OECD Guideline 201	
	Acute crustacea toxicity	EC50 25900 mg/	21100 -	48 h	Daphnia magna	Study report (1981)	other: Environmental Sciences Research T	
1675-54-3	2,2'-[(1-Methylethyliden)bi	s(4,1-pheny	lenoxymeth	ylen)]biso	oxiran			
	Acute fish toxicity	LC50	3,6 mg/l	96 h	Oncorhynchus mykiss	Study report (1982)	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Pseudokirchneriella subcapitata	Study report (2007)	OECD Guideline 201	
	Acute crustacea toxicity	EC50	2,8 mg/l	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202	
	Crustacea toxicity	NOEC	0,3 mg/l	21 d	Daphnia magna	REACh Registration Dossier	OECD Guideline 211	
108-65-6	2-methoxy-1-methylethyl a	acetate						
	Acute fish toxicity	LC50 180 mg/l	100 -	96 h	Oncorhynchus mykiss	Study report (1987)	OECD Guideline 203	
	Acute algae toxicity	ErC50 mg/l	> 1000	96 h	Pseudokirchneriella subcapitata	Study report (1986)	OECD Guideline 201	
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna	Study report (1987)	EU Method C.2	
	Fish toxicity	NOEC mg/l	47,5	14 d	Oryzias latipes	Study report (1998)	OECD Guideline 204	
	Crustacea toxicity	NOEC mg/l	>= 100	21 d	Daphnia magna	Study report (1998)	OECD Guideline 211	
1330-20-7	xylene							
	Acute fish toxicity	LC50	8,4 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicology and Environmental Safety.	OECD Guideline 203	



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12.2. Persistence and degradability

No information available.

CAS No	Chemical name						
	Method	Value	d	Source			
	Evaluation						
1675-54-3	2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran						
	OECD 302B 12% 28						
	Not readily biodegradable (according to OECD criteria)						
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.						
	OECD 301F	87%	28				

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68512-30-1	Phenol, methylstyrenated	3,627
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	< 1
1675-54-3	2,2'-[(1-Methylethyliden)bis(4,1-phenylenoxymethylen)]bisoxiran	>= 2,64
108-65-6	2-methoxy-1-methylethyl acetate	1,2
1330-20-7	xylene	3,2
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	3,77



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BCF				
CAS No	Chemical name	BCF	Species	Source
68512-30-1	Phenol, methylstyrenated	165	Cyprinus carpio	http://www.safe.nite
1675-54-3	2,2'- [(1-Methylethyliden)bis(4,1-phenylenoxy methylen)]bisoxiran	31		Study report (2010)
1330-20-7	xylene	> 5,5 - < 12,2	Oncorhynchus mykiss	Appl. Sci. Branch, E
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	>= 160		REACh Registration D

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. 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 1263
14.2. UN proper shipping name:	PAINT
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	163 367 650
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E
Inland waterways transport (ADN)	
<u>14.1. UN number:</u>	UN 1263
14.2. UN proper shipping name:	Paint



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14.3. Transport hazard class(es):	3		
<u>14.4. Packing group:</u>	III		
Hazard label:	3		
Classification code:	F1		
Special Provisions:	163 367 650		
Limited quantity:	5 L		
Excepted quantity:	E1		
Marine transport (IMDG)			
<u>14.1. UN number:</u>	UN 1263		
14.2. UN proper shipping name:	PAINT		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	III		
Hazard label:	3		
Special Provisions:	163, 223, 367, 955		
Limited quantity:	5 L		
Excepted quantity:	E1		
EmS:	F-E, S-E		
Air transport (ICAO-TI/IATA-DGR)			
<u>14.1. UN number:</u>	UN 1263		
14.2. UN proper shipping name:	PAINT		
14.3. Transport hazard class(es):	3		
14.4. Packing group:	111		
Hazard label:	3		
Special Provisions:	A3 A72 A192		
Limited quantity Passenger:	10 L		
Passenger LQ:	Y344		
Excepted quantity:	E1		
IATA-packing instructions - Passenger:	3	355	
IATA-max. quantity - Passenger:	6	50 L	
IATA-packing instructions - Cargo:	3		
ATA-max. quantity - Cargo:	2	220 L	
ENVIRONMENTALLY HAZARDOUS:	no		
14.6. Special precautions for user			
NO INFORMATION AVAILABLE.			
14.7. Transport in bulk according to Annex II No information available.	of Marpol and the IBC	Code	
SECTION 15: Regulatory information			

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

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EU regulatory information		
2004/42/EC (VOC):	13,99	
National regulatory information		
Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juveni work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.	le s
15.2. Chemical safety assessment		
Phenol, 4,4'-(1-methylethylidene)bis-, po ((1-methylethylidene)bis(4,1-phenyleneo Phenol, methylstyrenated 1-methoxy-2-propanol; monopropylene g 2-methoxy-1-methylethyl acetate 2,2'-[(1-Methylethyliden)bis(4,1-phenyler xylene oxirane, mono[(C12-14-alkyloxy)methyl]	lymer with 2,2'- xymethylene))bis(oxirane) llycol methyl ether noxymethylen)]bisoxiran derivs.	
SECTION 16: Other information		
Abbreviations and acronyms ADR: Accord européen sur le transport d (European Agreement concerning the Int RID:Règlement international conernat le (Regulations Concerning the International IMDG: International Maritime Code for D IATA: International Air Transport Association IATA-DGR: Dangerous Goods Refulation ICAO: International Civil Aviation Organizion ICAO-TI: Technical Instructions by the "In CLP: Classification. labelling and Packado	les marchandises dangereuses par Route ternational Carriage of Dangerous Goods by Road) transport des marchandises dangereuses par chemin de fer al Transport of Dangerous Goods by Rail) angerous Goods tion is by the "International Air Transport Association" (IATA) zation international Civil Aviation Organization" (ICAO)	

REACH: Registration, Evaluation and Authorization of Chemicals

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

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%

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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

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

	· · · · · · · · · · · · · · · · · · ·
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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