Safety Data Sheet

according to Regulation (EC) No 1907/2006

Proguard M-ST1 Part B

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

1.1. Product identifier

Proguard M-ST1 Part B

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

Use of the substance/mixture

Colour

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:	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 number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

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
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Phenol, methylstyrenated
ethylenediamine; 1,2-diaminoethane

Signal word: Warning

Pictograms:

Hazard statements

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

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 water or shower.
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

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68512-30-1	Phenol, methylstyrenated			10 - < 15 %
	270-966-8		01-2119555274-38	
	Skin Sens. 1, Aquatic Chronic 3; H317 H412			
1330-20-7	xylene			3 - < 5 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified			1 - < 2,5 %
	265-199-0	649-356-00-4	01-2119486773-24	
	Flam. Liq. 3, Skin Irrit. 2, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H315 H335 H336 H304 H411 EUH066			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			1 - < 2,5 %
	203-603-9	603-064-00-3		
	Flam. Liq. 3, Acute Tox. 3, STOT SE 3; H226 H331 H336			
78-83-1	2-methylpropan-1-ol; iso-butanol			1 - < 2,5 %
	201-148-0	603-108-00-1	01-2119484609-23	
	Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H315 H318 H335 H336			
107-15-3	ethylenediamine; 1,2-diaminoethane			0,25 - 0,5 %
	203-468-6	612-006-00-6	01-2119480383-37	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Resp. Sens. 1, Skin Sens. 1; H226 H312 H302 H314 H334 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.
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

No information available.

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

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
78-83-1	2-Methylpropan-1-ol	50	154		TWA (8 h)	WEL
		75	231		STEL (15 min)	WEL
7727-43-7	Barium sulphate, respirable dust	-	4		TWA (8 h)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

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

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 DNEL, long-term		inhalation	systemic	28 mg/m³
Consumer DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4 mg/kg bw/day
7727-43-7	Barium sulfate			
Worker DNEL, long-term		inhalation	systemic	10 mg/m³
Worker DNEL, long-term		inhalation	local	10
Consumer DNEL, long-term		inhalation	systemic	10 mg/m³
Consumer DNEL, long-term		oral	systemic	13000 mg/kg bw/day
1330-20-7	xylene			
Worker DNEL, long-term		inhalation	local	221 mg/m³
Consumer DNEL, long-term		inhalation	local	65,3 mg/m³
Worker DNEL, long-term		inhalation	systemic	221 mg/m³
Worker DNEL, acute		inhalation	systemic	442 mg/m³
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/m³
Consumer DNEL, acute		inhalation	local	260 mg/m³
Consumer DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	12,5 mg/kg bw/day
,				
78-83-1	2-methylpropan-1-ol; iso-butanol			
Worker DNEL, long-term		inhalation	local	310 mg/m³
Consumer DNEL, long-term		inhalation	local	55 mg/m³
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified			
Worker DNEL, acute		inhalation	systemic	1286,4 mg/m³
Worker DNEL, long-term		inhalation	local	837,5 mg/m³
Worker DNEL, acute		inhalation	local	1066,67 mg/m³

Consumer DNEL, acute	inhalation	systemic	1152 mg/m³
Consumer DNEL, long-term	inhalation	local	178,57 mg/m³
Consumer DNEL, acute	inhalation	local	640 mg/m³
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether		
Worker DNEL, long-term	inhalation	systemic	369 mg/m³
Consumer DNEL, 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 DNEL, long-term	dermal	systemic	78 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	33 mg/kg bw/day
,			
107-15-3	ethylenediamine; 1,2-diaminoethane		
Worker DNEL, long-term	inhalation	systemic	25 mg/m³
Worker DNEL, long-term	dermal	systemic	3,6 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	12,5 mg/m³
Consumer DNEL, long-term	oral	systemic	0,275 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
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
7727-43-7	Barium sulfate	
Freshwater		0,115 mg/l
Freshwater sediment		600,4 mg/kg
Micro-organisms in sewage treatment plants (STP)		62,2 mg/l
Soil		207,7 mg/kg
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
78-83-1	2-methylpropan-1-ol; iso-butanol	
Freshwater		0,4 mg/l
Freshwater (intermittent releases)		11 mg/l
Marine water		0,04 mg/l
Freshwater sediment		1,56 mg/kg
Marine sediment		0,156 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,076 mg/kg
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	
Freshwater		10 mg/l
Freshwater (intermittent releases)		100 mg/l
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
107-15-3 ethylenediamine; 1,2-diaminoethane	
Freshwater	0,016 mg/l
Freshwater (intermittent releases)	0,167 mg/l
Marine water	0,002 mg/l
Freshwater sediment	7,68 mg/kg
Marine sediment	0,768 mg/kg
Secondary poisoning	4,9 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,5 mg/l
Soil	4,36 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

Tightly sealed 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

Respiratory protection

Usually no personal respirative protection necessary.
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:	No data available

Changes in the physical state

Melting point:	No data available
Initial boiling point and boiling range:	2,230 °C
Sublimation point:	No data available
Softening point:	No data available
Pour point:	No data available
Flash point:	30 °C

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	500 °C

Auto-ignition temperature

Solid:	No data available
Gas:	No data available
Decomposition temperature:	No data available

Oxidizing properties

Not oxidising.

Vapour pressure: (at 1732 °C)	13,5 hPa
Density (at 20 °C):	1,554 g/cm³
Water solubility:	Immiscible

Solubility in other solvents

No information available.

Partition coefficient:	No data available
Viscosity / dynamic:	No data available

Viscosity / kinematic: (at 20 °C)	100 mm²/s
Vapour density:	No data available
Evaporation rate:	No data available
Solvent content:	9,6

9.2. Other information

Solid content:	90,9

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.

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
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			
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1986)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 mg/l	> 4,96	Rat	Study report (1992)	OECD Guideline 403
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl 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			
78-83-1	2-methylpropan-1-ol; iso-butanol					
	oral	LD50 mg/kg	3350	Rat	Study report (1993)	EPA OTS 798.1175
	dermal	LD50 mg/kg	2460	Rabbit	Study report (1993)	EPA OTS 798.1100
	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
107-15-3	ethylenediamine; 1,2-diaminoethane					
	oral	LD50 mg/kg	866	Rat	Study report (1979)	OECD Guideline 401
	dermal	LD50 mg/kg	560	Rabbit	Study report (1948)	Concentrated and 10% water solution was

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Phenol, methylstyrenated; ethylenediamine; 1,2-diaminoethane)

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

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
1330-20-7	xylene					
	Acute fish toxicity	LC50 8,4 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicology and Environmental Safety.	OECD Guideline 203
	Acute algae toxicity	ErC50 4,9 mg/l	72 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety.	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 3,4 mg/l	48 h	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Fish toxicity	NOEC > 1,3 mg/l	56 d	Oncorhynchus mykiss	Appl. Sci. Branch, Eng. Res. Cent. Denve	Fish were exposed in artificial streams
	Crustacea toxicity	NOEC 1,17 mg/l	7 d	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Acute bacteria toxicity	(> 175 mg/l)	0,5 h	Activated sludge	Research Journal WPCF 60(10) 1850-1856 (	OECD Guideline 209
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified					
	Acute algae toxicity	ErC50 3,1 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EC50 4,5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Fish toxicity	NOEC 2,6 mg/l	21 d	Daphnia magna	Study report (1999)	other: OECD Guideline 211
	Crustacea toxicity	NOEC 2,6 mg/l	21 d	Daphnia magna	Study report (1999)	OECD Guideline 211
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 > 4600 - < 10000 mg/l	96 h	Leuciscus idus	Study report (1989)	other: DIN 38 412, part L15
	Acute algae toxicity	ErC50 > 1000 mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1986)	OECD Guideline 201
	Acute crustacea toxicity	EC50 21100 - 25900 mg/l	48 h	Daphnia magna	Study report (1981)	other: Environmental Sciences Research T
78-83-1	2-methylpropan-1-ol; iso-butanol					

	Acute fish toxicity	LC50	1430 mg/l	96 h	Pimephales promelas	Environ Toxicol Chem 14: 1591-1605 (1995	Method according to Brooke LT et al.
	Acute algae toxicity	ErC50	1799 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2007)	OECD Guideline 201
	Acute crustacea toxicity	EC50	1100 mg/l	48 h	Daphnia pulex	Environmental Toxicology and Chemistry 5	Method: ASTM Methods
	Crustacea toxicity	NOEC	20 mg/l	21 d	Daphnia magna	Water Res. 23(4): 501-510 (1989)	Method: The test was conducted in line w
107-15-3	ethylenediamine; 1,2-diaminoethane						
	Acute fish toxicity	LC50	640 mg/l	96 h	Poecilia reticulata	Study report (1989)	EU Method C.1
	Acute algae toxicity	ErC50	71 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1990)	EU Method C.3
	Acute crustacea toxicity	EC50	16,7 mg/l	48 h	Daphnia magna	Study report (1989)	EU Method C.2
	Fish toxicity	NOEC	> 10 mg/l	28 d	Gasterosteus aculeatus	Study report (1992)	OECD Guideline 210
	Crustacea toxicity	NOEC	0,16 mg/l	21 d	Daphnia magna	Wat. Res. Vol 23, No. 4, 501-510,1989 (1	other: Provisional Procedure: Extended t
	Acute bacteria toxicity	(1600 mg/l)		0,5 h	activated sludge of a predominantly domestic sewag	Study report (1989)	other: EC protocol as published O.J. 30

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68512-30-1	Phenol, methylstyrenated	3,627
1330-20-7	xylene	3,2
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	< 1
78-83-1	2-methylpropan-1-ol; iso-butanol	10
107-15-3	ethylenediamine; 1,2-diaminoethane	-1,62

BCF

CAS No	Chemical name	BCF	Species	Source
68512-30-1	Phenol, methylstyrenated	165	Cyprinus carpio	http://www.safe.nite
1330-20-7	xylene	> 5,5 - < 12,2	Oncorhynchus mykiss	Appl. Sci. Branch, E

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)

14.1. UN number:	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

Other applicable information (land transport)

Exemption: ADR/RID 2.2.3.1.5.1 (<450l)

Inland waterways transport (ADN)

14.1. UN number:	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

Marine transport (IMDG)

14.1. UN number:	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)

14.1. UN number:	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:	A3 A72 A192
Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):
ethylenediamine; 1,2-diaminoethane

Restrictions on use (REACH, annex XVII):

Entry 3: 2-methylpropan-1-ol; iso-butanol

2010/75/EU (VOC):	9,61
2004/42/EC (VOC):	9,61

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Phenol, methylstyrenated
Barium sulfate
xylene
2-methylpropan-1-ol; iso-butanol
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified
1-methoxy-2-propanol; monopropylene glycol methyl ether
ethylenediamine; 1,2-diaminoethane

SECTION 16: Other information

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)
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CLP: Classification, labelling and Packaging
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%
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
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.)