



Safety Data Sheet

acc. to Hazardous Products Regulations (HPR)

POR-15 EPOXY CONCRETE PRIMER SEALER

Version number: GHS 2.0
Replaces version of: 2023-02-13 (GHS 1)

Revision: 2024-02-15

1 Identification

1.1 Product identifier

Trade name **POR-15 EPOXY CONCRETE PRIMER SEALER**
Product code(s) 47905

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

Relevant identified uses Paint

1.3 Details of the supplier of the safety data sheet

P.O.R. Products
38 Portman Road
New Rochelle NY 10801
United States

Telephone: +1 914-636-0700
e-mail: support@porproducts.com
Website: www.porproducts.com

e-mail (competent person) support@porproducts.com

1.4 Emergency telephone number

Emergency information service 1-800-255-3924
ChemTel Inc.

2 Hazard identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4R	respiratory sensitization	1	Resp. Sens. 1	H334
3.4S	skin sensitization	1	Skin Sens. 1	H317
3.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
3.10	aspiration hazard	1	Asp. Tox. 1	H304

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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Labeling

- Signal word danger

- Pictograms

GHS02, GHS08



- Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

- Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves.
P284	In case of inadequate ventilation wear respiratory protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

3-aminopropyldimethylamine, ethyl benzene, ethylenediamine, xylene

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2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

3 Composition/ Information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS
xylene	CAS No 1330-20-7	10 - < 30	Flam. Liq. 3 / H226 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304
ethyl benzene	CAS No 100-41-4	1 - < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H332 STOT RE 2 / H373 Asp. Tox. 1 / H304
2,4,6-tris(dimethylaminomethyl)phenol	CAS No 90-72-2	1 - < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319
3-aminopropyldimethylamine	CAS No 109-55-7	1 - < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Skin Corr. 1B / H314 Skin Sens. 1 / H317
m-Xylylenediamine	CAS No 1477-55-0	1 - < 5	Acute Tox. 4 / H332
ethylenediamine	CAS No 107-15-3	0.1 - < 1	Flam. Liq. 3 / H226 Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 4 / H332 Skin Corr. 1B / H314 Resp. Sens. 1 / H334 Skin Sens. 1 / H317
phenol	CAS No 108-95-2	0.1 - < 1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Muta. 2 / H341 STOT RE 2 / H373

Remarks

For full text of abbreviations: see SECTION 16



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4 First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Control of the effects

Protect against external exposure, such as

frost

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

8 Exposure controls/ Personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
CA	ethylbenzene	100-41-4	OEL (AB)	100	434	125	543				OHS Code
CA	ethylbenzene	100-41-4	OEL (BC)	20							"BC Regulation"
CA	ethylbenzene	100-41-4	OEL (ON-MoL)	20							MoL
CA	ethylbenzene	100-41-4	PEV/VEA	20							Regulation OHS
CA	1,2-diaminoethane (ethylenediamine)	107-15-3	OEL (AB)	10	25					H	OHS Code
CA	ethylenediamine	107-15-3	OEL (BC)	10						H	"BC Regulation"
CA	ethylenediamine	107-15-3	OEL (ON-MoL)	10						H	MoL
CA	ethylenediamine	107-15-3	PEV/VEA	10	25					H	Regulation OHS



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Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
CA	phenol	108-95-2	OEL (AB)	5	19					H	OHS Code
CA	phenol	108-95-2	OEL (BC)	5						H	"BC Regulation"
CA	phenol	108-95-2	OEL (ON-MoL)	5						H	MoL
CA	phenol	108-95-2	PEV/VEA	5	19					H	Regulation OHS
CA	3-(Dimethylamino)propylamine	109-55-7	OEL (ON)	0.5	2					H	Regulation 833
CA	3-aminopropyl-dimethylamine	109-55-7	OEL (ON-MoL)	0.5	2					H	MoL
CA	xylene	1330-20-7	OEL (AB)	100	434	150	651				OHS Code
CA	xylene	1330-20-7	OEL (BC)	100		150					"BC Regulation"
CA	xylene	1330-20-7	OEL (ON-MoL)	100		150					MoL
CA	xylene	1330-20-7	PEV/VEA	100	434	150	651				Regulation OHS
CA	m-xylene α,α'-diamine	1477-55-0	OEL (AB)						0.1	H	OHS Code
CA	m-xylene α,α'-diamine	1477-55-0	OEL (BC)						0.1	H	"BC Regulation"
CA	m-xylene α,α'-diamine	1477-55-0	OEL (ON-MoL)						0.1	H	MoL
CA	m-xylene α,α'-diamine	1477-55-0	PEV/VEA						0.1	H	Regulation OHS

Notation

Ceiling-C

H

STEL

TWA

ceiling value is a limit value above which exposure should not occur

absorbed through the skin

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

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Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
xylene	1330-20-7	DNEL	221 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
xylene	1330-20-7	DNEL	442 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
xylene	1330-20-7	DNEL	221 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
xylene	1330-20-7	DNEL	442 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
xylene	1330-20-7	DNEL	212 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	77 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
ethyl benzene	100-41-4	DNEL	293 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
ethyl benzene	100-41-4	DNEL	180 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
3-aminopropyl-dimethylamine	109-55-7	DNEL	1.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
3-aminopropyl-dimethylamine	109-55-7	DNEL	1.2 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
m-Xylylenediamine	1477-55-0	DNEL	1.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
m-Xylylenediamine	1477-55-0	DNEL	0.2 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
m-Xylylenediamine	1477-55-0	DNEL	0.33 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
ethylenediamine	107-15-3	DNEL	25 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
ethylenediamine	107-15-3	DNEL	3.6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
phenol	108-95-2	DNEL	8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
phenol	108-95-2	DNEL	16 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
phenol	108-95-2	DNEL	1.23 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
xylene	1330-20-7	PNEC	0.327 mg/l	aquatic organisms	freshwater	short-term (single instance)

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Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
xylene	1330-20-7	PNEC	0.327 mg/l	aquatic organisms	marine water	short-term (single instance)
xylene	1330-20-7	PNEC	6.58 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
xylene	1330-20-7	PNEC	12.46 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
xylene	1330-20-7	PNEC	2.31 mg/kg	terrestrial organisms	soil	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.1 mg/l	aquatic organisms	freshwater	short-term (single instance)
ethyl benzene	100-41-4	PNEC	0.01 mg/l	aquatic organisms	marine water	short-term (single instance)
ethyl benzene	100-41-4	PNEC	9.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethyl benzene	100-41-4	PNEC	13.7 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	1.37 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
ethyl benzene	100-41-4	PNEC	2.68 mg/kg	terrestrial organisms	soil	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	0.073 mg/l	aquatic organisms	freshwater	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	0.007 mg/l	aquatic organisms	marine water	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	69.5 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	0.735 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	0.073 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
3-aminopropyl-dimethylamine	109-55-7	PNEC	0.104 mg/kg	terrestrial organisms	soil	short-term (single instance)
m-Xylylenediamine	1477-55-0	PNEC	0.094 mg/l	aquatic organisms	freshwater	short-term (single instance)
m-Xylylenediamine	1477-55-0	PNEC	0.009 mg/l	aquatic organisms	marine water	short-term (single instance)
m-Xylylenediamine	1477-55-0	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)

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Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
m-Xylylenediamine	1477-55-0	PNEC	12.4 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
m-Xylylenediamine	1477-55-0	PNEC	1.24 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
m-Xylylenediamine	1477-55-0	PNEC	2.44 mg/kg	terrestrial organisms	soil	short-term (single instance)
ethylenediamine	107-15-3	PNEC	0.016 mg/l	aquatic organisms	freshwater	short-term (single instance)
ethylenediamine	107-15-3	PNEC	0.002 mg/l	aquatic organisms	marine water	short-term (single instance)
ethylenediamine	107-15-3	PNEC	0.5 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
ethylenediamine	107-15-3	PNEC	7.68 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
ethylenediamine	107-15-3	PNEC	0.768 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
ethylenediamine	107-15-3	PNEC	4.36 mg/kg	terrestrial organisms	soil	short-term (single instance)
phenol	108-95-2	PNEC	0.008 mg/l	aquatic organisms	freshwater	short-term (single instance)
phenol	108-95-2	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
phenol	108-95-2	PNEC	2.1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
phenol	108-95-2	PNEC	0.091 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
phenol	108-95-2	PNEC	0.009 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
phenol	108-95-2	PNEC	0.136 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.



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Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	not determined
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	1.1 vol% - 7 vol%
Flash point	23 °C at 1,013 hPa
Auto-ignition temperature	217 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapor pressure	0.207 PSI at 85 °F
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Density and/or relative density

Density	not determined
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
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9.2 Other information

Information with regard to physical hazard classes	there is no additional information
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Other safety characteristics

Solid content	0.2615 %
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10 Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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11 Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
xylene	1330-20-7	dermal	1,100 mg/kg
xylene	1330-20-7	inhalation: vapour	11 mg/l/4h
ethyl benzene	100-41-4	inhalation: vapour	11 mg/l/4h
3-aminopropyldimethylamine	109-55-7	oral	377.1 mg/kg
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	oral	500 mg/kg
m-Xylylenediamine	1477-55-0	inhalation: vapour	11 mg/l/4h
m-Xylylenediamine	1477-55-0	inhalation: dust/mist	1.34 mg/l/4h
ethylenediamine	107-15-3	oral	866 mg/kg
ethylenediamine	107-15-3	dermal	560 mg/kg
ethylenediamine	107-15-3	inhalation: vapour	14.7 mg/l/4h
phenol	108-95-2	oral	100 mg/kg
phenol	108-95-2	dermal	300 mg/kg
phenol	108-95-2	inhalation: dust/mist	>0.5 mg/l/4h

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

12 Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
xylene	1330-20-7	LC50	8.4 mg/l	fish	96 h
xylene	1330-20-7	EC50	4.9 mg/l	algae	72 h
xylene	1330-20-7	ErC50	4.7 mg/l	algae	72 h
ethyl benzene	100-41-4	LC50	7 mg/l	fish	24 h
ethyl benzene	100-41-4	EC50	2.4 mg/l	aquatic invertebrates	48 h
3-aminopropyl-dimethyl-amine	109-55-7	LC50	122 mg/l	fish	96 h
3-aminopropyl-dimethyl-amine	109-55-7	EC50	59.46 mg/l	aquatic invertebrates	48 h
3-aminopropyl-dimethyl-amine	109-55-7	ErC50	34 mg/l	algae	72 h
m-Xylylenediamine	1477-55-0	LC50	87.6 mg/l	fish	96 h
m-Xylylenediamine	1477-55-0	EC50	35.1 mg/l	aquatic invertebrates	24 h
m-Xylylenediamine	1477-55-0	ErC50	32.1 mg/l	algae	48 h
ethylenediamine	107-15-3	LC50	640 mg/l	fish	96 h
ethylenediamine	107-15-3	EC50	16.7 mg/l	aquatic invertebrates	48 h
ethylenediamine	107-15-3	ErC50	645 mg/l	algae	72 h
phenol	108-95-2	LC50	8.9 mg/l	fish	96 h
phenol	108-95-2	EC50	3.1 mg/l	aquatic invertebrates	48 h

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Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
xylene	1330-20-7	EL50	2.9 mg/l	aquatic invertebrates	21 d
xylene	1330-20-7	ErC50	4.36 mg/l	algae	73 h
xylene	1330-20-7	EC50	2.2 mg/l	algae	73 h
ethyl benzene	100-41-4	LC50	3.6 mg/l	aquatic invertebrates	7 d
3-aminopropyl-dimethyl-amine	109-55-7	EC50	6.17 mg/l	aquatic invertebrates	22 d
m-Xylylenediamine	1477-55-0	EC50	8.4 mg/l	aquatic invertebrates	21 d
m-Xylylenediamine	1477-55-0	LC50	6.77 mg/l	aquatic invertebrates	21 d
ethylenediamine	107-15-3	EC50	3.2 mg/l	microorganisms	2 h
phenol	108-95-2	LC50	21.93 mg/l	fish	14 d
phenol	108-95-2	EC50	10 mg/l	aquatic invertebrates	16 d

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.

13 Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.



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Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

14 Transport information

14.1 UN number

UN RTDG	UN 1263
IMDG-Code	UN 1263
ICAO-TI	UN 1263

14.2 UN proper shipping name

UN RTDG	PAINT
IMDG-Code	PAINT
ICAO-TI	Paint

14.3 Transport hazard class(es)

UN RTDG	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

UN RTDG	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport information - National regulations - Additional information (UN RTDG)

UN number	1263
Class	3
Packing group	III
Danger label(s)	3

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Special provisions (SP) 163, 223, 367 (UN RTDG)
 Excepted quantities (EQ) E1 (UN RTDG)
 Limited quantities (LQ) 5 L (UN RTDG)

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant -
 Danger label(s) 3



Special provisions (SP) 163, 223, 367, 955
 Excepted quantities (EQ) E1
 Limited quantities (LQ) 5 L
 EmS F-E, S-E
 Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s) 3



Special provisions (SP) A3, A72, A192
 Excepted quantities (EQ) E1
 Limited quantities (LQ) 10 L

15 Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA) all ingredients are listed (ACTIVE) or exempt from listing

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

The List of Extremely Hazardous Substances and Their Threshold Planning Quantities				
Name of substance	CAS No	Notes	Reportable quantity (pounds)	Threshold planning quantity (pounds)
ethylenediamine	107-15-3		5,000	10000
phenol	108-95-2		1,000	500/10000



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- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings			
Name of substance	CAS No	Remarks	Effective date
ethyl benzene	100-41-4		1986-12-31
phenol	108-95-2		1986-12-31
xylene	1330-20-7		1986-12-31

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
ethyl benzene	100-41-4		1 2 3	1000 (454)
ethylenediamine	107-15-3		1	5000 (2270)
phenol	108-95-2		1 2 3 4	1000 (454)
xylene	1330-20-7		1 3 4	100 (45,4)

Legend

- 1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act
- 2 "2" indicates that the source is section 307(a) of the Clean Water Act
- 3 "3" indicates that the source is section 112 of the Clean Air Act
- 4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

Clean Air Act

Name of substance	CAS No	Type of registration	Basis for listing	Threshold quantity (lbs)
ethylenediamine	107-15-3	Toxic substance	b	20000

Legend

- b On EHS list, vapor pressure 10 mmHg or greater.

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
xylene	1330-20-7		ATSDR Neurotoxicants CA MCLs CA TACs CDC 4th National Exposure Report IRIS Neurotoxicants OEHA RELs



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Name of substance	CAS No	Functionality	Authoritative Lists
ethyl benzene	100-41-4		ATSDR Neurotoxicants CA MCLs CA TACs CDC 4th National Exposure Report CWA 303(c) IARC Carcinogens - 2B OEHH RELs Prop 65
ethylenediamine	107-15-3		EC Annex VI Resp. Sens. - Cat. 1
phenol	108-95-2		CA TACs CWA 303(c) OEHH RELs

- Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE	PBT / HHS / LHS	PBT / HHS Threshold	De Minimis Concentration Threshold
ethyl benzene	100-41-4				0.1 %
ethylenediamine	107-15-3				1.0 %
phenol	108-95-2				1.0 %
xylene	1330-20-7				1.0 %

- Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
ethyl benzene	100-41-4	A, O	
m-Xylylenediamine	1477-55-0	A	
xylene	1330-20-7	A, N, O	

Legend

- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
ethyl benzene	100-41-4		CA F3
m-Xylylenediamine	1477-55-0		
ethylenediamine	107-15-3		CO F2



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Name of substance	CAS No	Remarks	Classifications
phenol	108-95-2		MU F2
3-aminopropyldimethylamine	109-55-7		F3
xylene	1330-20-7		F3

Legend

CA Carcinogenic
CO Corrosive
F2 Flammable - Second Degree
F3 Flammable - Third Degree
MU Mutagenic

- Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
BENZENE, ETHYL-	100-41-4	E
1,3-BENZENEDIMETHANAMINE	1477-55-0	
1,2-ETHANEDIAMINE	107-15-3	E
PHENOL	108-95-2	E
1,3-PROPANEDIAMINE, N,N-DIMETHYL-	109-55-7	
BENZENE, DIMETHYL-	1330-20-7	E

Legend

E Environmental hazard

- Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
ethyl benzene	100-41-4	T, F
m-Xylylenediamine	1477-55-0	T
ethylenediamine	107-15-3	T, F
ethylenediamine	107-15-3	T, F
phenol	108-95-2	T, F
phenol	108-95-2	T, F
xylene	1330-20-7	T, F
xylene	1330-20-7	T, F
xylene	1330-20-7	T, F

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)



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California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
ethylbenzene	100-41-4		cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	2	temporary or minor injury may occur
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National regulations (Canada)

Domestic Substances List (DSL)/Non-domestic Substances List (NDSL)

All ingredients are listed or exempt from listing.

National inventories

Country	Inventory	Status
US	TSCA	all ingredients are listed (ACTIVE)

Legend

TSCA Toxic Substance Control Act



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15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16 Other information

Key literature references and sources for data

Hazardous Products Regulations (HPR)

SOR/2022-272: Regulations Amending the Hazardous Products Regulations (GHS, Seventh Revised Edition)

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.