Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 21.05.2024 Version number 1 Revision: 21.05.2024

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

1.1 Product identifier
Trade name: weber EP bond-b

Safety data sheet no.: XXP018110-b
1.2 Relevant identified uses of the substance or mixture and uses advised against
The product is intended for professional or consumer use.
Application of the substance / the mixture Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Saint-Gobain Weber Yapı Kim. San. ve Tic. A.S.
Kemalpaşa OSB Mah. Kuyucak Yolu Sokak No:284
35730 Kemalpaşa / Izmir
TURKEY
Tel: +90 232 397 07 00
Fax: +90 232 397 08 00
1.4 Emergency telephone number:
Tel: +90 232 397 07 13-07 84
National Poison Information Center (UZEM): 114

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

Repr. 2 H361f Suspected of damaging fertility.

GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

Acute Tox. 4 H332 Harmful if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.

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2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

Benzyl alcohol
m-phenylenebis(methylamine)
3-aminomethyl-3,5,5-trimethylcyclohexylamine
4-tert-butylphenol

Hazard statements

H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dusts or mists.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.
vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties

Does not contain substances with endocrine-disrupting properties.

CAS: 98-54-4	4-tert-butylphenol	List I; II

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with non hazardous additions.

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Dangerous components:		
CAS: 14808-60-7 EINECS: 238-878-4	Silicon dioxide (Quartz sand) substance with a Community workplace exposure limit	50-75%
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	10-20%
CAS: 1477-55-0 EINECS: 216-032-5 Reg.nr.: 01-2119480150-50-xxxx	m-phenylenebis(methylamine) Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412, EUH071	10-20%
CAS: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9 Reg.nr.: 01-2119514687-32-xxxx	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	5-10%
CAS: 98-54-4 EINECS: 202-679-0 Index number: 604-090-00-8 Reg.nr.: 01-2119489419-21-xxxx	4-tert-butylphenol Repr. 2, H361f; Eye Dam. 1, H318; Aquatic Chronic 1, H410 (M=1); Skin Irrit. 2, H315	≥3-<5%

SVHC	
CAS: 98-54-4	4-tert-butylphenol

Additional information
The product contains silica sand composed of quartz (crystalline silica) with a fine fraction below 1%.
The respirable fraction has an occupational exposure limit value (cf. section 8).
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Never administer anything by mouth to an unconscious person.
If unconscious, place the patient in a stable side position and consult a doctor
After inhalation
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air and to be sure call for a doctor.
After skin contact Immediately wash with water and soap and rinse thoroughly.
After eye contact
Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).
After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately.

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4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents The product is not combustible.
5.2 Special hazards arising from the substance or mixture
During heating or in case of fire poisonous gases are produced.
5.3 Advice for firefighters
Protective equipment:
Use methods suitable to surrounding conditions.
Wear fully protective suit.
Mouth respiratory protective device.
Additional information
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Ensure adequate ventilation.
Mouth respiratory protective device.
6.2 Environmental precautions:
The product must not get into watercourses or into the soil.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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Information about fire - and explosion protection: Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Information about storage in one common storage facility: Store away from foodstuffs.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 100-51-6 Benzyl alcohol		
Oral	Derived No Effect Level	4 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	8 mg/kgxday (worker systemic long term value)
		4 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	22 mg/m³ (worker systemic long term value)
		5.4 mg/m³ (consumer systemic long term value)
CAS: 1477-55-0 m-phenylenebis(methylamine)		
Dermal	Derived No Effect Level	0.33 mg/kgxday (worker systemic long term value)
Inhalative	Derived No Effect Level	1.2 mg/m³ (worker systemic long term value)
		0.2 mg/m³ (worker local long term value)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	Derived No Effect Level	0.3 mg/kgxday (consumer systemic long term value)
		0.3 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	0.073 mg/m³ (worker local short term value)
		0.073 mg/m³ (worker local long term value)
CAS: 98-54-4 4-tert-butylphenol		
Oral	Derived No Effect Level	0.026 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	0.071 mg/kgxday (worker systemic long term value)
		0.026 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.5 mg/m³ (worker systemic long term value)
		0.09 mg/m³ (consumer systemic long term value)

PNECs	
CAS: 100-51-6 Benzyl alcohol	
Predicted No-Effect Concentration	0.456 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.1 mg/l (sea water rating factor)

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	1 mg/l (fresh water rating factor)
CAS: 1477-55-0 m-phenylenebis(methylamine)	
Predicted No-Effect Concentration	2.44 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.0094 mg/l (sea water rating factor)
	0.094 mg/l (fresh water rating factor)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Predicted No-Effect Concentration	1.121 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.006 mg/l (sea water rating factor)
	0.06 mg/l (fresh water rating factor)
CAS: 98-54-4 4-tert-butylphenol	
Predicted No-Effect Concentration	0.001 mg/l (sea water rating factor)
	0.01 mg/l (fresh water rating factor)

Ingredients with biological limit values:	
CAS: 98-54-4 4-tert-butylphenol	
BGW (Germany)	2 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 4-tert-Butylphenol (p-tert-Butylphenol) (nach Hydrolyse)

CAS No. / Designation of material / % / Type / Value / Unit	
CAS: 14808-60-7 Silicon dioxide (Quartz sand)	
BOELV (European Union)	Long-term value: 0.1* mg/m³ *respirable fraction
MAK (Germany)	alveolengängige Fraktion
GV (Denmark)	Short-term value: 0.6* 0.2** mg/m³ Long-term value: 0.3* 0.1** mg/m³ *total:,**total, respirabel: K
LEP (Spain)	Long-term value: 0.05 mg/m³ *Fracción resp:n,d,y
TWA (Italy)	Long-term value: 0.025 mg/m³ A2, (j)
VLE (Portugal)	Long-term value: 0.025 mg/m³ Resp.;A2; fibrose pulmonar; cancro do pulmão
OEL (Sweden)	Long-term value: 0.1 mg/m³ C, M, respirabel fraktion
HTP (Finland)	Long-term value: 0.05 0.1* mg/m³ alveolijae;*sitovat raja-arvot, pöly
CAS: 100-51-6 Benzyl alcohol	
AGW (Germany)	Long-term value: 22 mg/m³, 5 ppm 2(I);DFG, H, Y, 11
HTP (Finland)	Long-term value: 45 mg/m³, 10 ppm

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CAS: 1477-55-0 m-phenylenebis(methylamine)	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IV
GV (Denmark)	Ceiling limit: 0.1 mg/m³, 0.02 ppm LH
TWA (Italy)	Ceiling limit: 0.1 mg/m³ Cute
VLE (Portugal)	Ceiling limit: 0.1 mg/m³ P; Irritação ocular, cutânea e GI
HTP (Finland)	Ceiling limit: 0.1 mg/m³ iho
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb
CAS: 98-54-4 4-tert-butylphenol	
AGW (Germany)	Long-term value: 0.5 mg/m³, 0.08 ppm 2(II);DFG, H, 11
GV (Denmark)	Short-term value: 1 mg/m³, 0.16 ppm Long-term value: 0.5 mg/m³, 0.08 ppm H
LEP (Spain)	Short-term value: 1* mg/m³, 0.16* ppm Long-term value: 0.5* mg/m³, 0.08* ppm *Propuesta de modificación: vía dérmica, Sen, ae

Additional Occupational Exposure Limit Values for possible hazards during processing:
Total inhalable dust: 10 mg/m³
Respirable dust (< 5 µm): 4 mg/m³
Quartz respirable dust (< 5 µm) : 0,15 mg/m³
Additional information:
The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
Use a moisturising skin cream after processing the product.
Respiratory protection:
Short term filter device:
Filter P2.
In case of brief exposure or low pollution use respiratory filter device.
In case of intensive or longer exposure use self-contained respiratory protective device.

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Hand protection Protective gloves.
Material of gloves Nitrile impregnated cotton gloves complying with the standard EN 374-1.
Eye/face protection Tightly sealed goggles
Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Colour:	Black
Odour:	Aromatic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	1.3 Vol % (DIN 51649, CAS: 100-51-6 Benzyl alcohol)
Upper:	13 Vol % (DIN 51649, CAS: 100-51-6 Benzyl alcohol)
Flash point:	Not applicable
Auto-ignition temperature:	380 °C (DIN 51794, CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Decomposition temperature:	Not determined.
pH	Mixture reacts violently with water.
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Not miscible or difficult to mix
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	0.1 hPa (DIN 51640, CAS: 100-51-6 Benzyl alcohol)
Density and/or relative density	
Density:	Not determined
Relative density	Not determined.
Bulk density:	Not applicable.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Fluid

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Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	26.3 %
EU-VOC (%)	18.1805 %
EU-VOC (g/L)	181.8049 g/l
Solids content:	63.6 %
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity Not reactive under normal conditions of use
10.2 Chemical stability Stable at recommended storage conditions
Thermal decomposition / Conditions to be avoided:
No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions Reacts with acids
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.

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10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Harmful if inhaled.
LD/LC50 values relevant for classification:

Components / Type / Value / Species		
CAS: 100-51-6 Benzyl alcohol		
Oral	LD50	1,620 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>4.178 mg/l (Rat)
CAS: 1477-55-0 m-phenylenebis(methylamine)		
Oral	LD50	930 mg/kg (Rat)
Dermal	LD50	>3,100 mg/kg (Rabbit)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	LD50	1,030 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
CAS: 98-54-4 4-tert-butylphenol		
Oral	LD50	>2,000 mg/kg (Rat)

Skin corrosion/irritation Causes severe skin burns and eye damage.
Serious eye damage/irritation Causes serious eye damage.
Respiratory or skin sensitisation May cause an allergic skin reaction.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Suspected of damaging fertility.
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.
11.2 Information on other hazards

Endocrine disrupting properties		
CAS: 98-54-4	4-tert-butylphenol	List I; II

EU Endocrine Disruptor Lists: List I of identified ED in EU, List II of substances under evaluation in EU, List III of ED in some EU countries.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
Toxic to aquatic life with long lasting effects (H411)
Toxic to aquatic life with long lasting effects.

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Type of test / Effective concentration / Method / Assessment	
CAS: 100-51-6 Benzyl alcohol	
LC50/96h	>100 mg/l (Fish)
EC50/24h	400 mg/l (aquatic invertebrates)
EC50/48h	230 mg/l (aquatic invertebrates)
EC50/72h	759 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	556 mg/l (aquatic algae and cyanobacteria)
NOEC (48h)	171 mg/l (aquatic invertebrates)
NOEC (21d)	51 mg/l (aquatic invertebrates)
EC 10/16h	658 mg/l (microorganisms)
CAS: 1477-55-0 m-phenylenebis(methylamine)	
LC50/96h	87.6 mg/l (Fish)
EC50/48h	15.2 mg/l (aquatic invertebrates)
EC50/72h	20.3 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	10.5 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	4.7 mg/l (aquatic invertebrates)
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
LC50/48h	388 mg/l (aquatic invertebrates)
LC50/24h	572 mg/l (aquatic invertebrates)
LC50/96h	324 mg/l (aquatic invertebrates)
	110 mg/l (Fish)
EC50/24h	27 mg/l (aquatic invertebrates)
EC50/48h	23 mg/l (aquatic invertebrates)
EC50/72h	50 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	1.5 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	100 mg/l (aquatic invertebrates)
NOEC (48h)	8.3 mg/l (aquatic invertebrates)
NOEC (21d)	3 mg/l (aquatic invertebrates)
EC 10/18h	1,120 mg/l (microorganisms)
CAS: 98-54-4 4-tert-butylphenol	
LC50/96h	1 mg/l (Fish)
EC50/48h	3.9 mg/l (Daphnia magna)
EC50/72h	14 mg/l (Selenastrum capricornutum (Green algae))
NOEC (72h)	0.32 mg/l (Algae)
NOEC (21d)	0.73 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

Method	
CAS: 1477-55-0 m-phenylenebis(methylamine)	
Biod. (28 days)	49 % (Biodegradation)

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CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Biod. (28 days)	8 %

12.3 Bioaccumulative potential	
CAS: 100-51-6 Benzyl alcohol	
EBAB	1.05 log Pow (Bioaccumulation)
CAS: 1477-55-0 m-phenylenebis(methylamine)	
EBAB	0.18 log Pow
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EBAB	0.99 log Pow
CAS: 98-54-4 4-tert-butylphenol	
EBAB	3 log Pow

12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.
vPvB: Does not contain vPvB substances.
12.6 Endocrine disrupting properties
For information on endocrine disrupting properties see section 11.
12.7 Other adverse effects
Remark:
The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.
The product contains substances which are toxic to fishes and bacteria.
Toxic for fish
Additional ecological information:

General notes:
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Dispose of the product in accordance with national and local regulations.

European waste catalogue	
08 04 11*	adhesive and sealant sludges containing organic solvents or other hazardous substances
08 04 13*	aqueous sludges containing adhesives or sealants containing organic solvents or other hazardous substances
HP6	Acute Toxicity
HP8	Corrosive
HP10	Toxic for reproduction
HP13	Sensitising

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HP14	Ecotoxic

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA UN2735

14.2 UN proper shipping name
ADR 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), ISOPHORONEDIAMINE), ENVIRONMENTALLY HAZARDOUS
IMDG AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), ISOPHORONEDIAMINE), MARINE POLLUTANT
IATA AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), ISOPHORONEDIAMINE)

14.3 Transport hazard class(es)

ADR

Class 8 (C7) Corrosive substances.
Label 8

IMDG

Class 8 Corrosive substances.
Label 8

IATA

Class 8 Corrosive substances.
Label 8

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14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	Product contains environmentally hazardous substances: 4-tert-butylphenol
Marine pollutant:	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code):	80
EMS Number:	F-A,S-B
Segregation groups	(SGG18) Alkalis
Stowage Category	A
Segregation Code	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (M-PHENYLENEBIS(METHYLAMINE), ISOPHORONEDIAMINE), 8, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)
Regulation (EC) No 1272/2008 (CLP)
Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)
Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

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Seveso category E2 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors		
CAS: 108-88-3	toluene	3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
CAS: 108-88-3	toluene	3

National regulations
Other regulations, limitations and prohibitive regulations

Substances of Very High Concern (SVHC) according to REACH, Article 57:	
CAS: 98-54-4	4-tert-butylphenol

Substances of Very High Concern on the REACH Candidate List for Authorisation.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases
The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.
H302 Harmful if swallowed.
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.

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H332 Harmful if inhaled.
H361f Suspected of damaging fertility.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Classification according to Regulation (EC) No 1272/2008	
Acute toxicity - inhalation Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Reproductive toxicity Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: Research and development
Contact:
Necati Utku Erol
(Sertifika No:TÜV/01.336.07 - Validity date 31.12.2023)

Barış Yıldırım
(Sertifika No: TÜV/01.275.01 - Validity date 25.03.2024)

Sesil Genç
(Sertifika No: TÜV/01.311.11 – Validity date 04.11.2024)

Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Repr. 2: Reproductive toxicity – Category 2
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**
According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.