

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.12.2022

Version number 9

Revision: 26.04.2021

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

1.1 Product identifier

Trade name **webertec EP mortar hardener**

Safety data sheet no.: 44P46064B

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

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Weber

Dickens House

Enterprise Way

Flitwick

Bedfordshire MK45 5BY

Tel.: 01525 718877

webersds@saint-gobain.com

1.4 Emergency telephone number:

UK: NHS 111 (Members of the public)

UK NPIS 24-hour telephone helpline: +44 (0)344 892 0111 (Healthcare professionals only)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



corrosion

Skin Corr. 1A

H314 Causes severe skin burns and eye damage.

Eye Dam. 1

H318 Causes serious eye damage.



Acute Tox. 4

H302 Harmful if swallowed.

Acute Tox. 4

H312 Harmful in contact with skin.

Skin Sens. 1

H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms

GHS05 GHS07

Signal word Danger

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Hazard-determining components of labelling:

3-aminomethyl-3,5,5-trimethylcyclohexylamine
trimethylhexane-1,6-diamine

Hazard statements

H302+H312 Harmful if swallowed or in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it 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.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture consisting of the following components.

Dangerous components:

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; Acute Tox. 4, H312; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	25-50%
CAS: 25513-64-8 EINECS: 247-063-2 Reg.nr.: 01-2119560598-25-xxxx	trimethylhexane-1,6-diamine ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	25-50%

Additional information 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

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of complaints.

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After skin contact

Wash off immediately with plenty of water, continue washing. Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30°C). Seek immediate medical advice.

Remove contact lenses after the first 5 minutes and continue washing.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Do not give anything by mouth unless the person is fully conscious.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

Mouth respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

Keep contaminated washing water and dispose of appropriately.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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Information about fire - and explosion protection:

Protect against electrostatic charges.

Protect from heat.

Keep ignition sources away - Do not smoke.

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: Not required.

Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	Derived No Effect Level	0.526 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.073 mg/m ³ (worker local short term value)
		0.073 mg/m ³ (worker local long term value)
PNECs		
CAS: 25513-64-8 trimethylhexane-1,6-diamine		
Predicted No-Effect Concentration		0.00295 mg/l (sea water rating factor)
		0.0295 mg/l (fresh water rating factor)

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Respiratory protection:

Use suitable respiratory protection where aerosols/vapours are generated.

Use respiratory equipment with suitable filter or wear self-contained breathing apparatus. (CE approved air-purifying respirator: organic vapour cartridge with a particulate pre-filter, type AP2).

Protection of hands: Protective gloves.

Material of gloves

PVC gloves

Butyl rubber, BR

Chlorinated polyethylene.

Polyethylene.

Ethyl vinyl alcohol laminate (EVAL).

Neoprene.

Nitrile rubber.

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Penetration time of glove material

The determined breakthrough times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the breakthrough time, is recommended.

Thickness >0.5mm

Eye protection:

Use close fitting goggles (EN 166).

Eye wash fountain should be located in immediate work area.

Body protection:

Use protective clothing chemically resistant to this material.

Remove immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Form:	Fluid
Colour:	Yellowish
Odour:	Amine-like
Odour threshold:	Not determined.

pH-value:	Not applicable.
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Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	232 °C (DIN)

Flash point:	110 °C (DIN ISO 2592)
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Flammability (solid, gas):	Not applicable.
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Ignition temperature:	350 °C (DIN 51794)
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Decomposition temperature:	Not determined.
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Auto-ignition temperature:	Product is not self-igniting.
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Explosive properties:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
Oxidising properties	Not determined.

Vapour pressure:	Not determined.
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Density:	Not determined
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Bulk density:	Not applicable.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.

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Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Segregation coefficient (n-octanol/water) log Pow:	Not determined.
Viscosity: dynamic: kinematic:	Not determined. Not determined.
Solvent separation test: Solvent content: Organic solvents:	Not determined 0.0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

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 oxidizing agents

Reacts with acids

10.4 Conditions to avoid Keep away from sources of ignition. Protect from frost.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Ammonia

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed or in contact with skin.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1,030 mg/kg (ATE)	
		1,030 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (Rat)	
CAS: 25513-64-8 trimethylhexane-1,6-diamine			
Oral	LD50	910 mg/kg (Rat)	
Dermal	LD50	1,280 mg/kg (Rabbit)	

Primary irritant effect:

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

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Respiratory or skin sensitisation

May cause an allergic skin reaction.

Additional toxicological information:
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
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 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
Aquatic toxicity: No further relevant information available.

Type of test / Effective concentration / Method / Assessment	
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
LC50/48h	185 mg/l (Leuciscus idus (Orfe))
LC50/96h	110 mg/l (Brachydanio rerio (zebra danio))
EC50/24h	42 mg/l (Daphnia magna)
EC50/48h	23 mg/l (Daphnia magna)
EC50/72h	50 mg/l (Scenedesmus subspicatus (Algae))
EC 10/18h	1,120 mg/l (Pseudomonas putida (Bacteria))
CAS: 25513-64-8 trimethylhexane-1,6-diamine	
LC50/48h	174 mg/l (Leuciscus idus (Orfe))
EC50/24h	31.5 mg/l (Daphnia magna)
EC50/72h	29.5 mg/l (Algae)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EBAB	0.79 log Pow

12.4 Mobility in soil No further relevant information available.

Additional ecological information:
General notes:

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Uncleaned packaging:

Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN2735

14.2 UN proper shipping name
ADR

2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIMETHYLHEXAMETHYLENEDIAMINES,
ISOPHORONEDIAMINE)

IMDG, IATA

AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIMETHYLHEXAMETHYLENEDIAMINES,
ISOPHORONEDIAMINE)

14.3 Transport hazard class(es)
ADR



Class
Label

8 (C7) Corrosive substances.
8

IMDG, IATA



Class
Label

8 Corrosive substances.
8

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user
Hazard identification number (Kemler code):
EMS Number:
Segregation groups
Stowage Category
Segregation Code

Warning: Corrosive substances.
80
F-A,S-B
(SGG18) Alkalis
A
SG35 Stow "separated from" SGG1-acids

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

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

E

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (TRIMETHYLHEXAMETHYLENEDIAMINES, ISOPHORONEDIAMINE), 8, III

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (UK REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (GB CLP)

Directive 2004/42/CE (VOC), cf. section 9

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

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.

Relevant phrases

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: EHS

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Contact:

webersds

01525718877

webersds@saint-gobain.com

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 (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

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 UK REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.