Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 16.12.2022 Version number 4 (replaces version 3) Revision: 15.12.2022

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

1.1 Product identifier
Trade name webertec EP TAG hardener

Safety data sheet no.: 44P46068A
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: +44(0)1525 718877
webersds@saint-gobain.com
1.4 Emergency telephone number:
- Ireland: National Poisons Information Centre: +353 (1) 809 2166 (Members of the public 8am - 10pm, 7 days a week) ; +353 (1) 809 2566 (Healthcare professionals only 24/7)
- Iceland: Poisons Information Center - Icelandic University Hospital: +354 543 2222

SECTION 2: Hazards identification

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


GHS05 corrosion

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


GHS07

Acute Tox. 4	H302 Harmful if swallowed.
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 CLP regulation.
Hazard pictograms


GHS05 GHS07

Signal word Danger

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Hazard-determining components of labelling:
3-aminomethyl-3,5,5-trimethylcyclohexylamine
3,3,5-trimethylhexamethylene-diamine
Hazard statements
H302 Harmful if swallowed.
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 Mixtures
Description: Mixture of substances listed below with non hazardous additions.

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 ATE: LD50 oral: 1,030 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	25-50%
CAS: 25620-58-0 EINECS: 247-134-8	3,3,5-trimethylhexamethylene-diamine Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412	25-50%

SVHC Void
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.
After inhalation
Supply fresh air or oxygen; call for doctor.

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In case of unconsciousness place patient stably in side position for transportation.
After skin contact
Immediately rinse with water.
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.
After swallowing
Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.
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 No further relevant information available.
5.3 Advice for firefighters
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.
6.2 Environmental precautions:
The product must not get into watercourses
or into the soil.
Suppress gases/fumes/haze with water spray.
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 No special precautions are necessary if used correctly.
Information about fire - and explosion protection: No special measures required.

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.

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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
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/m³ (worker local short term value)
		0.073 mg/m³ (worker local long term value)

CAS No. / Designation of material / % / Type / Value / Unit	
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb
CAS: 57-55-6 1,2-Propandiol	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb und Xc

8.2 Exposure controls
Appropriate engineering controls No further data; see item 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.
Wash hands before breaks and at the end of work.
Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
Filter A2/P2.
Hand protection Protective gloves.
Material of gloves
Nitrile rubber, NBR
Butyl rubber, BR
PVC gloves
Eye/face protection Tightly sealed goggles
Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information

Colour:	Yellowish
Odour:	Amine-like
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	150 °C (DIN)
Flammability	Not applicable.

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Lower and upper explosion limit	
Lower:	2.6 Vol % (DIN 51649)
Upper:	12.6 Vol % (DIN 51649)
Flash point:	96 °C (DIN ISO 2592)
Ignition temperature:	350 °C (DIN 51794)
Decomposition temperature:	Not determined.
pH	Not applicable.
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:	Not determined.
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
Important information on protection of health and environment, and on safety.	
Auto-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:	2.4 %
EU-VOC (%)	2.3903 %
EU-VOC (g/L)	23.9030 g/l
Solids content:	0.5 %
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

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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 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 No dangerous reactions known
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity
Harmful if swallowed.
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: 25620-58-0 3,3,5-trimethylhexamethylene-diamine		
Oral	LD50	910 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 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.

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11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

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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: 25620-58-0 3,3,5-trimethylhexamethylene-diamine	
LC50/48h	174 mg/l (Leuciscus idus (Orfe))
LC0/96h	150 mg/l (Leuciscus idus (Orfe))
EC50/24h	31.5 mg/l (Daphnia magna)
EC50/72h	29.5 mg/l (Scenedesmus subspicatus (Algae))
EC 10	72 mg/l (Pseudomonas putida (Bacteria))

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.
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
The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects
Additional ecological information:

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

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

European waste catalogue	
HP6	Acute Toxicity

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HP8	Corrosive
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:
Recommendation:
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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

14.3 Transport hazard class(es)

ADR

Class 8 (C7) Corrosive substances.
Label 8

IMDG, IATA

Class 8 Corrosive substances.
Label 8

14.4 Packing group
ADR, IMDG, IATA III

14.5 Environmental hazards: Not applicable.

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

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Segregation Code	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IMO instruments	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

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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)
“Control of Substances Hazardous to Health” UK Regulations 2002 (as amended)

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

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Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
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.

Classification according to Regulation (EC) No 1272/2008	
Acute toxicity - oral Skin corrosion/irritation Serious eye damage/eye irritation Skin sensitisation 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: EHS
Contact:
webersds
+44(0)1525718877
webersds@saint-gobain.com
Version number of previous version: 3
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)
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
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

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*** 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.