

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.10.2020

Version number 3

Revision: 03.02.2016

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

1.1 Product identifier

Trade name **weber.tec force EP bonding adhesive hardener**

Safety data sheet no.: 44P046162

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

Bedford.

MK45 5BY

Tel: +44(0)1525 718877

Web: www.netweber.co.uk

email:sara.kelly@netweber.co.uk

1.4 Emergency telephone number: +44(0) 8703 330070 Office hours only (08.30-17.00 UK time)

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

Hazard-determining components of labelling:

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Benzyl alcohol

Hazard statements

H302 Harmful if swallowed.

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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 of substances listed below with non hazardous additions.

Dangerous components:

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	25-50%
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. 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; consult doctor in case of complaints.

After skin contact

Immediately rinse with water.

Seek immediate medical advice.

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

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

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4.2 Most important symptoms and effects, both acute and delayed

Repeated &/or prolonged exposure to low concentrations of vapours and/or aerosols may cause: sore throat.

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

Carbon monoxide (CO)

Nitrogen oxides (NO_x)

Ammonia (NH₃)

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions: Prevent from spreading (e.g. by damming-in or oil barriers).

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

Use only in well ventilated areas.

Emergency showers and eye washstations should be readily accessible.

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.

Store in a cool location.

Insure sufficient ventilation for storage and work areas.

Information about storage in one common storage facility:

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

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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

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

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/m ³ (worker local short term value)
		0.073 mg/m ³ (worker local long term value)

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.

Avoid contact with the eyes and skin.

Provide readily accessible eye wash stations and showers.

Provide natural explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves.

Neoprene gloves

PVC gloves

Nitrile gloves

Butyl rubber gloves

Eye 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

Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Alkaline

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	205 °C (DIN)

Flash point: 166 °C (DIN ISO 2592)

Flammability (solid, gas): Not applicable.

Ignition temperature: 380 °C (DIN 51794)

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Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	1.3 Vol % (DIN 51649)
Upper:	13.0 Vol % (DIN 51649)
Oxidising properties	Not determined.
Vapour pressure at 20 °C:	0.1 hPa (DIN 51640)
Density:	Not determined
Bulk density:	Not applicable.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Segregation coefficient (n-octanol/water) log Pow:	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	41.0 %
EU-VOC (%)	43.00 %
EU-VOC (g/L)	430.0 g/l
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 No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Bases, acids, reducing agents, oxidising agents

10.6 Hazardous decomposition products:

No dangerous decomposition products known.

Nitric acid, ammonia, NO_x, CO, CO₂

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if swallowed.

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LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 100-51-6 Benzyl alcohol			
Oral	LD50	1,580 mg/kg (Mouse)	
Dermal	LD50	>2,000 mg/kg (Rabbit)	
Inhalative	LC50/4 h	4,178 mg/l (Rat)	
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1,030 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (Rat)	

Primary irritant effect:

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.

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: 100-51-6 Benzyl alcohol			
LC50/48h	645 mg/l	(Leuciscus idus (Orfe))	
LC50/96h	10 mg/l	(Lepomis macrochirus (Sunfish))	
	460 mg/l	(Pimephales promelas (Minnow))	
EC50/24h	400 mg/l	(Daphnia magna)	
EC50/96h	400 mg/l	(Daphnia magna)	
	640 mg/l	(Scenedesmus quadricauda (Algae))	
EC 10	400 mg/l	(Pseudomonas putida (Bacteria))	
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	37 mg/l	(Scenedesmus subspicatus (Algae))	
EC 10/18h	1,120 mg/l	(Pseudomonas putida (Bacteria))	

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential

CAS: 100-51-6 Benzyl alcohol	
EBAB	1.1 log Pow (Bioaccumulation)

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CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

EBAB | 0.79 log Pow

Behaviour in environmental systems:
12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:
Behaviour in sewage processing plants:
Type of test Effective concentration Method Assessment
CAS: 100-51-6 Benzyl alcohol

EC 50 (3h) | 79 mg/l (Scenedesmus quadricauda (Algae))

Other information:
CAS: 100-51-6 Benzyl alcohol

 BSB (5) | 1,550 mg O₂/g

Additional ecological information:
General notes: Do not allow product to reach ground water, water course or sewage system.

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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

HP6	Acute Toxicity
HP8	Corrosive
HP13	Sensitising
HP14	Ecotoxic

Uncleaned packaging:
Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN2289

14.2 UN proper shipping name
ADR
IMDG, IATA

 2289 ISOPHORONEDIAMINE mixture
 ISOPHORONEDIAMINE mixture

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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:

Marine pollutant: No

14.6 Special precautions for user

Warning: Corrosive substances.

Hazard identification number (Kemler code): 80

EMS Number: F-A,S-B

Stowage Category A

14.7 Transport in bulk according to Annex II

of Marpol and the IBC Code Not applicable.

Transport/Additional information:

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 2289 ISOPHORONEDIAMINE MIXTURE, 8, III

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SECTION 15: Regulatory information

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

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.

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.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: Quality Department**Contact:**

Dr S. Kelly; tel. + 44 (0) 1525 718877

Dr Sara Kelly

Tel: 01525 722145

Email: sara.kelly@netweber.co.uk

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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 - oral – Category 4

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

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

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.