

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

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

1.1 Product identifier

Trade name **weber.tec EP structural adhesive Hardener TG**

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 Limited
Dickens House
Enterprise Way
Flitwick
Bedfordshire
MK45 5BY

Further information obtainable from:

Dr Sara Kelly
SHEQ Systems manager
weber
Tel: 01525 722145
Fax: 01525 718988
Email: sara.kelly@netweber.co.uk

1.4 Emergency telephone number: Product safety department

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

Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



C; Corrosive

R35: Causes severe burns.



Xi; Irritant

R41: Risk of serious damage to eyes.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name **weber.tec EP structural adhesive Hardener TG**

(Contd. of page 1)

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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

Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31






Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 2)

Dangerous components:

CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine  C R34;  Xn R21/22;  Xi R43 R52/53  Skin Corr. 1B, H314;  Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	10 - 20%
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Additional information For the wording of the listed risk 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.

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 and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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**

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

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:** Wear self-contained respiratory protective device.**Additional information**

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

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 3)

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

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

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 item 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

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Information about fire - and explosion protection: 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: Store away from foodstuffs.

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:

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 4)

8.2 Exposure controls**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 eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Suitable respiratory protective device recommended.

Filter A2/P2.

Protection of hands: Protective gloves.

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

PVC gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Thickness $\geq 5\text{mm}$.

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: Not applicable.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 247 °C (DIN)

Flash point: 112 °C (DIN ISO 2592)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 380 °C (DIN 51794)

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

(Contd. on page 6)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 5)

Upper:	Not determined.
Oxidising properties	Not determined.
Vapour pressure:	Not determined.
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:	0.0 %
Solids content:	83.8 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

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 Strong exothermic reaction with acids

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials:

Strong oxidising agents.

Strong acids.

10.6 Hazardous decomposition products: Ammonia.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Components	Type	Value	Species
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Oral	LD50	1030 mg/kg	(rat)
Dermal	LD50	1840 mg/kg	(rabbit)

(Contd. on page 7)

-GB-

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 6)

Primary irritant effect:**on the skin:**

Caustic effect on skin and mucous membranes.

Irritant to skin and mucous membranes.

on the eye:

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

Sensitisation: Sensitisation possible through skin contact.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:** No further relevant information available.

Type of test Effective concentration Method Assessment	
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EC 10	1120 mg/l (pseudomonas putida (Bacteria))
EC 10/18h	1120 mg/l (pseudomonas putida (Bacteria))
EC50/24h	42 mg/l (water flea)
EC50/48h	23 mg/l (water flea)
EC50/72h	37 mg/l (scenedesmus subspicatus (Alge))
LC50/48h	185 mg/l (orfe)
LC50/96h	110 mg/l (Brachydanio rerio (Zebrabärbling))

12.2 Persistence and degradability No further relevant information available.**12.3 Bioaccumulative potential**

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:****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.

Harmful to fish

Additional ecological information:**General notes:**

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 7)

Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**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 of the source of the waste.

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

UN2289

14.2 UN proper shipping name

ADR

IMDG, IATA

2289 ISOPHORONEDIAMINE

ISOPHORONEDIAMINE

14.3 Transport hazard class(es)

ADR, 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**EMS Number:**

Warning: Corrosive substances.

F-A,S-B

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

(Contd. on page 9)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 8)

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

UN "Model Regulation":

UN2289, ISOPHORONEDIAMINE, 8, III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

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.

H412 Harmful to aquatic life with long lasting effects.

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R43 May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS: Product safety department.**Contact:**

Dr Sara Kelly

SHEQ Systems Manager

weber

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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)

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.05.2015

Revision: 20.03.2015

Trade name weber.tec EP structural adhesive Hardener TG

(Contd. of page 9)

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)
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, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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