

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

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

1.1 Product identifier

Trade name **weber.floor 4718 R**

Safety data sheet no.: 49PX21040

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

Coating

Isocyanate resin

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint Gobain Weber GmbH

Schanzenstr. 84

D-40549 Düsseldorf

+49(0)211/91369-0

email: Produktsicherheit@sg-weber.de

1.4 Emergency telephone number: Telefon: +49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2 H351 Suspected of causing cancer.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

STOT SE 3 H335 May cause respiratory irritation.

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



GHS07 GHS08

Signal word Danger

(Contd. on page 2)

EUG

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 1)

Hazard-determining components of labelling:

methylenediphenyl diisocyanate
Aromatic polyisocyanate prepolymer

Hazard statements

H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.
As from 24 August 2023 adequate training is required before industrial or professional use.

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: 26447-40-5 EINECS: 247-714-0 Index number: 615-005-00-9 | methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 % | 50-75% |
| CAS: 67815-87-6 | Aromatic polyisocyanate prepolymer ⚠ Resp. Sens. 1, H334; ⚠ Skin Sens. 1, H317 | 25-50% |

SVHC Void

Additional information For the wording of the listed hazard phrases refer to section 16.

EUG

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 2)

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. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C).

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.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

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.

Ensure adequate ventilation.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

(Contd. on page 4)

EUG

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 3)

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.

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: 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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

101-68-8 4,4 - Methylendiphenyldiisocyanat

AGW 0,05 mg / m³

1; =2=(I);DFG,11;12,Sa,Y

103-71-9 Phenylisocyanat

AGW 0,05 mg / m³

1(I); AGS,12,Sa

| CAS No. | Designation of material | % | Type | Value | Unit |
|---|---|---|------|-------|------|
| CAS: 26447-40-5 methylenediphenyl diisocyanate | | | | | |
| MAK (Germany) | vgl.Abschn. IVe | | | | |
| HTP (Finland) | Short-term value: 0.035 mg/m ³ | | | | |
| | NCO | | | | |

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 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.

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.

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 4)

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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.

Short term filter device:

Filter A2/P2.

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

Recommended thickness of the material: \geq (Butyl) 0.7 mm; (Nitril) 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time: > 480 min

Value for the permeation: Level ≤ 6

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

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

| | |
|---|------------------------------|
| Colour: | Brown |
| Odour: | Uncharacteristic. |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | > 350 °C |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Flash point: | 210 °C |
| Auto-ignition temperature: | Product is not selfigniting. |
| Decomposition temperature: | > 260 °C |
| pH | Not applicable. |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| dynamic at 20 °C: | 220 mPas |

(Contd. on page 6)

-EUG-

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 5)

Solubility

| | |
|--|--|
| Water: | Insoluble |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure: | Not determined. |
| Density and/or relative density | |
| Density at 20 °C: | 1.17 g/cm ³ (DIN EN ISO 2811-2) |
| 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. | |
| Ignition temperature: | >400 °C |
| Explosive properties: | Product does not present an explosion hazard. |
| Minimum ignition energy | |
| Solvent separation test: | Not determined |
| Solvent content: | |
| Organic solvents: | 0.0 % |
| EU-VOC (%) | 0.0000 % |
| EU-VOC (g/L) | 0.0000 g/l |
| 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 |

EUG

(Contd. on page 7)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 6)

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with alcohols

Exothermic polymerisation.

Reacts with water and acids

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.

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: 26447-40-5 methylenediphenyl diisocyanate | | | |
| Oral | LD50 | >5,000 mg/kg | (Rat) |
| Dermal | LD50 | >5,000 mg/kg | (Rat) |
| CAS: 67815-87-6 Aromatic polyisocyanate prepolymer | | | |
| Oral | LD50 | >5,000 mg/kg | (Rat) |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

EUG

(Contd. on page 8)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 7)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

| | | | |
|---------------------|--------------------------------|---------------|-------------------|
| Type of test | Effective concentration | Method | Assessment |
|---------------------|--------------------------------|---------------|-------------------|

CAS: 26447-40-5 methylenediphenyl diisocyanate

| | |
|---------|---|
| LC0/96h | >1,000 mg/l (Brachydanio rerio (zebra danio)) |
|---------|---|

| | |
|----------|-----------------------------|
| EC50/24h | >1,000 mg/l (Daphnia magna) |
|----------|-----------------------------|

CAS: 67815-87-6 Aromatic polyisocyanate prepolymer

| | |
|---------|---|
| LC0/96h | >1,000 mg/l (Brachydanio rerio (zebra danio)) |
|---------|---|

| | |
|----------|-----------------------------|
| EC50/24h | >1,000 mg/l (Daphnia magna) |
|----------|-----------------------------|

12.2 Persistence and degradability No further relevant information available.

Method

CAS: 26447-40-5 methylenediphenyl diisocyanate

| | |
|-------------|-----|
| Biod. (28d) | 0 % |
|-------------|-----|

12.3 Bioaccumulative potential No further relevant information available.

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

Behaviour in sewage processing plants:

| | | | |
|---------------------|--------------------------------|---------------|-------------------|
| Type of test | Effective concentration | Method | Assessment |
|---------------------|--------------------------------|---------------|-------------------|

CAS: 26447-40-5 methylenediphenyl diisocyanate

| | |
|------------|------------------------------|
| EC 50 (3h) | >100 mg/l (Activated sludge) |
|------------|------------------------------|

Additional ecological information:

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

European waste catalogue

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

| | |
|-----------|--|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances |
|-----------|--|

(Contd. on page 9)

EUG

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 8)

Uncleaned packaging:
Recommendation:

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

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

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, 56

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.

(Contd. on page 10)

EUG

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 9)

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

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.

National regulations
Other regulations, limitations and prohibitive regulations
BG-Merkblätter: M 044 "Polyurethane production/Isocyanates"

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

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
EUH204 Contains isocyanates. May produce an allergic reaction.

Department issuing SDS: Product safety department.

Contact: Produktsicherheit@sg-weber.de; tel. +49(0)2363/399-210

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)
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 Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

(Contd. on page 11)

-EUG-

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.02.2022

Version number 4 (replaces version 3)

Revision: 08.02.2022

Trade name weber.floor 4718 R

(Contd. of page 10)

*** 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.

EUG