

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

Printing date 31.08.2023

Version number 3 (replaces version 2)

Revision: 31.08.2023

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

1.1 Product identifier

Trade name **weber 2-K Polyurethane elastomer, comp. B**

Safety data sheet no.: 358P0183-b

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

The product is intended for industrial or professional use.

Application of the substance / the mixture

Polyurethane sealing

Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Finland Oy / Weber

PL 70

(Strömberginkuja 2)

FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00

Fax +358-(0)10-44 22 295

DL-productsafety.fi@saint-gobain.com

www.fi.weber

1.4 Emergency telephone number:

0800 147 111 (toll-free)

09 471 977 (standard rate)

Finnish Poison Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H332 Harmful if inhaled.

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

Signal word Warning

Hazard-determining components of labelling:

HDI oligomers, isocyanurate

hexamethylene diisocyanate

Hazard statements

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

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H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
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: Hardener of 2-component polyurethane coating

Dangerous components:

CAS: 28182-81-2 EC number: 931-274-8 Reg.nr.: 01-2119485796-17-xxxx	HDI oligomers, isocyanurate ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	75-100%
CAS: 822-06-0 EINECS: 212-485-8 Index number: 615-011-00-1 Reg.nr.: 01-2119457571-37-xxxx	hexamethylene diisocyanate ⚠ Acute Tox. 2, H330; ⚠ Resp. Sens. 1, H334; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	<0.1%

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

Immediately remove any clothing soiled by the product.
Never administer anything by mouth to an unconscious person.
If unconscious, place the patient in a stable side position and consult a doctor

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.

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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

Carbon dioxide

Foam

Fire-extinguishing powder

Water haze

For safety reasons unsuitable extinguishing agents Water with full jet

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

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

Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Keep people at a distance and stay on the windward side.

Wear protective clothing.

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 section 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

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

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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:

Prevent any seepage into the ground.

Store only in unopened original receptacles.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from humidity and water.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Recommended storage temperature: 5-30°C.

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: 28182-81-2 HDI oligomers, isocyanurate		
Inhalative	Derived No Effect Level	1 mg/m ³ (worker local short term value) 0.5 mg/m ³ (worker local long term value)
CAS: 822-06-0 hexamethylene diisocyanate		
Inhalative	Derived No Effect Level	0.07 mg/m ³ (worker local short term value) 0.035 mg/m ³ (worker local long term value)
PNECs		
CAS: 822-06-0 hexamethylene diisocyanate		
Predicted No-Effect Concentration		0.0049 mg/l (sea water rating factor) 0.049 mg/l (fresh water rating factor)
CAS No. / Designation of material / % / Type / Value / Unit		
CAS: 822-06-0 hexamethylene diisocyanate		
TWA (Italy)	Long-term value: 0.034 mg/m ³ , 0.005 ppm	

8.2 Exposure controls

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.

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

Avoid contact with the eyes and skin.

Respiratory protection:

Short term filter device:

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Filter A2/P2.

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.

Hand protection

Protective gloves against chemicals (standard EN 374-1)

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

Check protective gloves prior to each use for their proper condition.

Penetration time of glove material

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

Physical state	Fluid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	-37 °C (DIN ISO 3016)
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	158 °C
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Insoluble
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 at 20 °C:	1.17 g/cm ³
Vapour density	Not determined.

9.2 Other information

None.

Appearance:
Form:

Liquid

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Important information on protection of health and environment, and on safety.

Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not applicable.
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
Solids content:	0.0 %
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
	Void
Flammable gases	Void
	Void
Aerosols	Void
	Void
Oxidising gases	Void
	Void
Gases under pressure	Void
	Void
Flammable liquids	Void
	Void
Flammable solids	Void
	Void
Self-reactive substances and mixtures	Void
	Void
Pyrophoric liquids	Void
	Void
Pyrophoric solids	Void
	Void
Self-heating substances and mixtures	Void
	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
	Void
Oxidising liquids	Void
	Void
Oxidising solids	Void
	Void
Organic peroxides	Void
	Void
Corrosive to metals	Void
	Void

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Desensitised explosives

Void

Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

10.3 Possibility of hazardous reactions

Reacts with amines

Reacts with alcohols

Exothermic reaction

Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

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: 28182-81-2 HDI oligomers, isocyanurate		
Oral	LD50	2,500 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
CAS: 822-06-0 hexamethylene diisocyanate		
Dermal	LD50	7,000 mg/kg (Rat)
Inhalative	LC50/4 h	124 mg/l (Rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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 May cause respiratory irritation.

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.

11.2 Information on other hazards
Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: Not classified as harmful to aquatic life

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Type of test / Effective concentration / Method / Assessment
CAS: 28182-81-2 HDI oligomers, isocyanurate

LC50/96h	100 mg/l (Fish)
EC50/48h	127 mg/l (Fish)
EC50/72h	1,000 mg/l (Algae)

CAS: 822-06-0 hexamethylene diisocyanate

EC50/72h	77.4 mg/l (Algae)
NOEC (72h)	4.9 mg/l (Algae)
EC 0/48h	89 mg /l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

Other information: The product is not easily biodegradable.

12.3 Bioaccumulative potential
CAS: 28182-81-2 HDI oligomers, isocyanurate

EBAB	9.81 log Pow
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CAS: 822-06-0 hexamethylene diisocyanate

EBAB	3.2 log Pow
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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: 28182-81-2 HDI oligomers, isocyanurate

EC 50 (3h)	3,828 mg/l (Activated sludge)
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CAS: 822-06-0 hexamethylene diisocyanate

EC 50 (3h)	842 mg/l (Activated sludge)
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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, the product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.

Dispose of the product in accordance with national and local regulations.

European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP13	Sensitising

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Uncleaned packaging:
Recommendation:

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

SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA

Void

14.2 UN proper shipping name
ADR, 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

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)

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

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

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: 74

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.

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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.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

Acute toxicity - inhalation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Skin sensitisation	
Specific target organ toxicity (single exposure)	

Department issuing SDS:

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QEHS
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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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)
PNEC: Predicted No-Effect Concentration (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. 2: Acute toxicity – Category 2
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
STOT SE 3: Specific target organ toxicity (single exposure) – 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.

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