



Safety Data Sheet 1907/2006/EC - REACH (GB)
QuickFloor 500 V Komp. A

Date printed 27.07.2016, Revision 25.11.2013

Version 01

Page 1 / 12

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

1.1 Product identifier

QuickFloor 500 V Komp. A

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

1.2.1 Relevant uses

Hardener
Coating agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

VIP Coatings International Gmbh & Co. KG
Frauenstrasse 31
82216 Maisach / GERMANY
Phone +49 (0)8141 35549 0
Fax +49(0)8141 35549 99
Homepage www.vipcoatings-intl.com
E-mail info@vipcoatings-intl.com

Address enquiries to

Technical information

info@vipcoatings-intl.com

Safety Data Sheet

sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body

+49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Acute Tox. 4: H332 Harmful if inhaled.
Skin Irrit. 2: H315 Causes skin irritation.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Eye Irrit. 2: H319 Causes serious eye irritation.
STOT SE 3: H335 May cause respiratory irritation.
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.

Safety Data Sheet 1907/2006/EC - REACH (GB)
QuickFloor 500 V Komp. A

Date printed 27.07.2016, Revision 25.11.2013

Version 01

Page 2 / 12

2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Hazard pictograms



Signal word

WARNING

Contains:

Hexamethylene-diisocyanate

Hazard statements

H332 Harmful if inhaled.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe mist / vapours / spray.
 P280 Wear protective gloves / protective clothing / eye protection / face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water / soap.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P311 Call a POISON CENTER / doctor /...

Special labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
50 - <75	Hexamethylene-1,6-diisocyanate homopolymer CAS: 28182-81-2, EINECS/ELINCS: 500-060-2, Reg-No.: 01-2119488934-20-XXXX GHS/CLP: Acute Tox. 4: H332 - STOT SE 3: H335 - Skin Sens. 1: H317
25 - <35	4-chloro- α,α,α -trifluorotoluene CAS: 98-56-6, EINECS/ELINCS: 202-681-1 GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Aquatic Chronic 4: H413
0,1 - <0,5	Hexamethylene-diisocyanate CAS: 822-06-0, EINECS/ELINCS: 212-485-8, EU-INDEX: 615-011-00-1, Reg-No.: 01-2119457571-37-XXXX GHS/CLP: Acute Tox. 4: H302 - Acute Tox. 1: H330 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Resp. Sens. 1: H334 - STOT SE 3: H335 - Skin Sens. 1: H317

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
 For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse.
Inhalation	Ensure supply of fresh air. Remove the victim into fresh air and keep him calm. Get medical advice.
Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used	Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x).
Hydrogen cyanide (HCN).
Hydrogen chloride (HCl).
Hydrogen fluoride (HF).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.



6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Avoid spilling in enclosed areas.
The product is combustible.
Do not eat, drink, smoke or take drugs at work.
Take off contaminated clothing and wash before reuse.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.
Keep only in original container.
Do not store with amines
Keep away from water.
Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place. Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Hexamethylene-1,6-diisocyanate homopolymer
CAS: 28182-81-2, EINECS/ELINCS: 500-060-2, Reg-No.: 01-2119488934-20-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³
Hexamethylene-diisocyanate
CAS: 822-06-0, EINECS/ELINCS: 212-485-8, EU-INDEX: 615-011-00-1, Reg-No.: 01-2119457571-37-XXXX
Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m ³

DNEL

Substance
Hexamethylene-1,6-diisocyanate homopolymer, CAS: 28182-81-2
Industrial, inhalative, Long-term - local effects: 0,5 mg/m ³ .
Industrial, inhalative, Acute - local effects: 1 mg/m ³ .
Hexamethylene-diisocyanate, CAS: 822-06-0
Industrial, inhalative, Acute - local effects: 0,07 mg/m ³ .
Industrial, inhalative, Long-term - local effects: 0,035 mg/m ³ .
Industrial, inhalative, Acute - systemic effects: 0,07 mg/m ³ .
Industrial, inhalative, Long-term - systemic effects: 0,035 mg/m ³ .

PNEC

Substance
Hexamethylene-1,6-diisocyanate homopolymer, CAS: 28182-81-2
sewage treatment plants (STP), 100 mg/l.
soil, 8884 mg/kg.
sediment (seaater), 4455 mg/kg.
sediment (freshwater), 44551 mg/kg.
seawater, 0,0199 mg/l.
freshwater, 0,199 mg/l.
Hexamethylene-diisocyanate, CAS: 822-06-0
soil, 0,0026 mg/kg.
sediment (seaater), 0,001334 mg/kg.
sediment (freshwater), 0,01334 mg/kg.
sewage treatment plants (STP), 8,42 mg/l.
seawater, 0,00774 mg/l.
freshwater, 0,0774 mg/l.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	safety glasses (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. Butyl rubber, >480 min (EN 374-1/-2/-3). Viton, >480 min (EN 374-1/-2/-3).
Skin protection	Protective clothing.
Other	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	transparent
Odor	aromatic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	not determined
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,18-1,22 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Viscosity	50-200 mPa*s (25 °C)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined

9.2 Other information

Surface tension: ca. 46,5 mN/m (20°C)(CAS 28182-81-2)

SECTION 10: Stability and reactivity

10.1 Reactivity

Development of pressure and risk of bursting in closed containers.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with alcohols.

Reactions with amines.

Reactions with water, with formation of carbon dioxide.

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

See SECTION 7

Avoid temperatures above 50 °C.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Substance
Hexamethylene-1,6-diisocyanate homopolymer, CAS: 28182-81-2
LD50, dermal, Rabbit: > 2000 mg/l.
LD50, dermal, Rat: > 2000 mg/l (OECD 402).
LD50, oral, Rat (female): >= 5000 mg/l (OECD 423).
LC50, inhalative, Rat (female): 0,390 mg/l/4h (OECD 403).
NOAEL, inhalative, Rat: 3,3 mg/m ³ /90d (OECD 413).
Conversion value, inhalativ (mist), 1,5 mg/l/4h.
4-chloro- α,α,α -trifluorotoluene, CAS: 98-56-6
LD50, dermal, Rabbit: > 2000 mg/kg.
LD50, oral, Rat: 13000 mg/kg.
LC50, inhalative, Rat: 33 mg/l/4h.
Hexamethylene-diisocyanate, CAS: 822-06-0
LD50, dermal, Rat: > 7000 mg/kg.
LD50, oral, Rat: 959 mg/kg.
LC50, inhalative, Rat: 124 mg/l/4h.
NOAEL, inhalative, Rat: < 0,055 mg/l.

Serious eye damage/irritation	Irritant
Skin corrosion/irritation	Irritant
Respiratory or skin sensitisation	Sensitizing.
Specific target organ toxicity — single exposure	STOT SE 3
Specific target organ toxicity — repeated exposure	The substance or mixture is not classified as specific target organ toxicant, repeated
Mutagenicity	No classification.
Reproduction toxicity	No classification.
Carcinogenicity	No classification.
General remarks	Disturbances of the central nervous system. Irritates the mucous membrane. Symptoms: nausea, vomiting. Liver and Kidney damage is possible. Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Hexamethylene-1,6-diisocyanate homopolymer, CAS: 28182-81-2
LC50, (96h), Danio rerio: > 100 mg/l.
EC50, (3h), Bacteria: > 10000 mg/l.
EC50, (48h), Daphnia magna: > 100 mg/l.
ErC50, (72h), Scenedesmus subspicatus: 199 mg/l.
4-chloro- α,α,α -trifluorotoluene, CAS: 98-56-6
LC50, (48h), fish: 11,5 - 15,8 mg/l.
Hexamethylene-diisocyanate, CAS: 822-06-0
EC50, (72h), Desmodesmus subspicatus: > 77,4 mg/l.
LC0, (96h), Brachidanio rerio: > 82,8 mg/l.

12.2 Persistence and degradability

BCF: 706,2 (CAS 28182-81-2) In contact with water the substance will hydrolyze rapidly.

BCF: 10,11 (Hydrolisat, CAS 28182-81-2)

Henry-Konstante: $\leq 0,000001 \text{ Pa}\cdot\text{m}^3/\text{mol}$ (25°C) (CAS 28182-81-2)

BCF: 121,8-202 (CAS 98-56-6)

Behaviour in environment compartments

not determined

Behaviour in sewage plant

not determined

Biological degradability

2%, 28d (CAS 28182-81-2)

0%, 28d (OECD 302C; CAS 28182-81-2)

12.3 Bioaccumulative potential

logPow: ca. 8,38 (CAS 28182-81-2)

logKow: 3,6 (CAS98-56-6)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

The product is insoluble in water.

The product contains organically bounded halogen.

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
 Coordinate disposal with the authorities if necessary.

Waste no. (recommended)

080501*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
 Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

Safety Data Sheet 1907/2006/EC - REACH (GB)
QuickFloor 500 V Komp. A

Date printed 27.07.2016, Revision 25.11.2013

Version 01 Page 11 / 12

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830

TRANSPORT-REGULATIONS DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- **Observe employment restrictions for people** Observe employment restrictions for young people.
 Observe employment restrictions for mothers-to-be and nursing mothers.

- **VOC (1999/13/CE)** not applicable

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H330 Fatal if inhaled.
H302 Harmful if swallowed.
H413 May cause long lasting harmful effects to aquatic life.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H332 Harmful if inhaled.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV@/TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Acute Tox. 4: H332 Harmful if inhaled. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)

Modified position

none



Copyright: Chemiebuero®

