



SAFETY DATA SHEET

Q 50-400 2K PU PLASTIC REPAIR BLACK 60 SEC. (B)

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Revision date: 13-01-2017

Revision No: 3

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

1.1. Product identifier

Product name: Q 50-400 2K PU PLASTIC REPAIR BLACK 60 SEC. (B)

Product code: Q 50-400-6090

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

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Firmenname: Q-Company Int. GmbH
Beckershof 3
24558 Henstedt-Ulzburg
Germany

Email: msds@qrefinish.com

1.4. Emergency telephone number

Emergency tel: +49 (0)551-19240 (Giftinformationszentrum-Nord)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335; Resp. Sens. 1: H334; Skin Sens. 1: H317; -: EUH204

Most important adverse effects: Suspected of causing cancer. Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Contains isocyanates. May produce an allergic reaction.

2.2. Label elements

Label elements:

Hazard statements: H351: Suspected of causing cancer.

H332: Harmful if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

[cont...]

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H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

EUH204: Contains isocyanates. May produce an allergic reaction.

Hazard pictograms: GHS07: Exclamation mark

GHS08: Health hazard



Signal words: Danger

Precautionary statements: P201: Obtain special instructions before use.

P308+313: IF exposed or concerned: Get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P284: [In case of inadequate ventilation] wear respiratory protection.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	9016-87-9	-	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	70-90%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing. immediately showering See a doctor immediately.
Remove contaminated clothing and wash before reuse.

Eye contact: Remove contact lenses. Bathe the eye with running water for 15 minutes. If irritation persists, consult a doctor.

Ingestion: Call a doctor immediately. Do not induce vomiting. Give nothing without the express permission of the doctor.

Inhalation: Provide fresh air. Give artificial respiration if not breathing and seek medical help immediately.

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4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact. May cause skin dryness and irritation.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: Can cause health problems: abdominal pain with a burning sensation, nausea and vomiting.

Inhalation: This product is harmful by inhalation. Symptoms of exposure may include burning sensation and irritation of eyes, mouth, nose, throat, cough, difficulty breathing, dizziness, headache, nausea and vomiting. In severe cases, can cause inhalation of the product inflammation and edema of the throat and bronchi, chemical pneumonitis and pulmonary edema. This product can produce malfunctions or morphological changes, by repeated and prolonged exposure and / or must be careful because it can accumulate in the human organism.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Dry chemical powder. Do not use water. Use water spray to cool containers. In case of spillage without ignition, use water fog to correct the spreading of flammable vapors.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Avoid inhalation of combustion products. If the product in large quantities is involved in a fire, it can significantly worsen the fire.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool in case of fire, the containers immediately with water jets to avoid the risk of explosion and the development of substances that are hazardous to health. If, without taking risks is possible, the containers with the product removed from the fire.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: No data available.

6.2. Environmental precautions

Environmental precautions: Leakage of large quantities: Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground/soil.

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6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container. Ensure adequate ventilation. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Use the product after having read all the other sections of this MSDS. Prevent spreading of the product into the environment. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Avoid incompatible materials and conditions - see section 10 of SDS. Keep the product in containers clearly labeled.

Suitable packaging: Not applicable.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m ³	0.07 mg/m ³	-	-

DNEL/PNEC Values

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Type	Exposure	Value	Population	Effect
-	9016-87-9	-	-	-
PNEC	Fresh water	1 mg/l	-	-
PNEC	Marine sediments	0.1 mg/l	-	-
PNEC	Microorganisms in sewage treatment	1 mg/l	-	-
DNEL	Oral	20 mg/kg bw/d	Consumers	Systemic
DNEL	Inhalation	0.05 mg/m ³	Consumers	Local

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DNEL	Dermal	17.2 mg/cm ²	Consumers	Local
DNEL	Dermal	25 mg/kg bw/d	Consumers	Systemic
DNEL	Inhalation	0.1 mg/m ³	Workers	Local
DNEL	Inhalation	0.1 mg/m ³	Workers	Systemic
DNEL	Dermal	28.7 mg/cm ²	Workers	Local
DNEL	Dermal	50 mg/kg bw/d	Workers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Install an emergency shower with sink for face and eyes.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. If the threshold of the substance is exceeded, it is advisable to use a mask with filter type B. Choose the class based on the concentration limit. The use of respiratory protective equipment is necessary when applied engineering controls are not adequate to limit worker exposure to the relevant thresholds. The protection provided by masks is in any case limited. If the substance is odorless and in any case of emergency, use self-contained breathing apparatus with compressed air with open circuit.

Hand protection: PVA gloves. Butyl gloves. Categorie III (ref. norm EN 374). As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to use. The wear length of the glove is dependent on the duration and manner of use.

Eye protection: It is recommended to wear a tightly fitting goggles (ref. Standard EN 166)

Skin protection: Protective clothing. Categorie II (ref. EEG Richtlijn 89/686 en norm EN ISO 20344).

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Copper.

Solubility in water: Insoluble

Viscosity: 3300 mPas

Boiling point/range°C: >300

Flash point°C: 205

Autoflammability°C: >600

Vapour pressure: 0,01 Pa

Relative density: 1,170 g/cm³ (25°C)

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Under normal conditions, there are no specific risks of reaction with other substances.

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10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Under normal conditions, there are no specific risks of reaction with other substances.

10.4. Conditions to avoid

Conditions to avoid: None. However, the usual precautions regarding to chemical products must be maintained.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

ORL	RAT	LD50	49	gm/kg
SKN	RBT	LD50	>9400	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH DRM	Hazardous: calculated
Carcinogenicity	--	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. May cause skin dryness and irritation.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: Can cause health problems: abdominal pain with a burning sensation, nausea and vomiting.

Inhalation: This product is harmful by inhalation. Symptoms of exposure may include burning sensation and irritation of eyes, mouth, nose, throat, cough, difficulty breathing,

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dizziness, headache, nausea and vomiting. In severe cases, can cause inhalation of the product inflammation and edema of the throat and bronchi, chemical pneumonitis and pulmonary edema. This product can produce malfunctions or morphological changes, by repeated and prolonged exposure and / or must be careful because it can accumulate in the human organism.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Dispose of as hazardous waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Regulation (EC) No. 1907/2006.

This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH204: Contains isocyanates. May produce an allergic reaction.

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 <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

