



Technical Data Sheet: Q-Bond Repair Kit

PRODUCT NAME AND CODE

Q-Bond Small Repair Kit
Code: QB2



PRODUCT DESCRIPTION

Q-Bond small repair kit is an ultra-strong adhesive. It comes in a kit with four components: two identical adhesives, one grey and one black reinforcing powder. Inside the kit is an instruction manual in multiple languages and two red pins to pierce the seal of the adhesives. This repair kit has a high variety of applications, but is generally used to repair rubber, plastic and metal.

UNCURED PRODUCT PROPERTIES

Properties	Adhesive	Black Powder	Grey Powder
Chemical Type	Ethyl Cyanoacrylate	The product consists of metal oxide pigments and salts	The product consists of metal oxide pigments and salts
Chemical Nature	Liquid	Dry powder mixture	Dry powder mixture
Colour	Clear & Transparent	Black	Light Grey
Viscosity (CPS)	2-3	N.A.	N.A.
Odour	Sharp, irritating	None	None
Flash point	>82°C	N.A.	N.A.
Specific Gravity	1.05	3.4	3.4
Shelf Live	12 Months	Not known to expire	Not known to expire

SURFACE PREPARATIONS & APPLICATION INSTRUCTIONS

Clean the area to be repaired thoroughly and make sure that it is completely dry before applying the adhesive. If painted, remove the paint before applying. To increase the bonding potential when using the reinforcing powders, roughen up the area with a file or sandpaper for a better hold onto the surface. When using the adhesive on its own do not damage the broken joint area so that it fits perfectly back into place.

Adhesive Only

: Pierce the seal of the adhesive with the red pin. Apply adhesive on one side only, join the two broken parts and press firmly into place. Hold for 10 seconds. Avoid spilling adhesive on fingers.

Powder and Adhesive

: Apply powder to area to be repaired and saturate with enough adhesive to cover all the powder. Apply this process in layers if a lot of powder is required. When filling a gap, place tape underneath the gap, fill with powder and drop enough adhesive to penetrate the powder. Apply this in layers to ensure the best bond.



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CURING TIME

Average curing time: 10 seconds.

COMMON APPLICATIONS

The adhesive can be used on its own or in combination with the reinforcing powders. The adhesive alone works on clean broken off objects. The powders can be used to reinforce a broken part in conjunction with the adhesive or fill a gap or crack in conjunction with the adhesive.

Examples of applications

Adhesive Only

: Metal, Plastic, Rubber and Ceramic

Black Powder and Adhesive

: Hard Plastics, Remote Controls Lugs/Clips, Tabs, Motorcycle Fairings, Bumpers, Radiators, Distributor Caps and many more.

Grey Powder and Adhesive

: Metal Surfaces, Motorcycle Casings, Carburetors, Aluminium, Office Equipment and many more.

KEY FEATURES AFTER CURED

Features	Adhesive Only	Black powder & Adhesive	Grey Powder & Adhesive
Gap Fill (mm)	0.04	Designed for filling	Designed for filling
Tensile-Shear Strength (kgf/cm ²)	120 ~ 200	Still to be tested	Still to be tested
Pressure Limit (Bar)	Still to be tested	90	90
Temperature Range (°C)	-55 ~ 82	-55 ~ 180	-55 ~ 180
Resistance to Water, Oil, Diesel, Petrol	Still to be tested	Yes to all	Yes to all

QR CODE: VIDEO EXAMPLES:

SCAN ME





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LIMITATIONS

- Q-Bond does not stick to Polypropylene (PP); Polyethylene (PE) and Stainless Steel.
- The adhesive on its own may vary with regards to curing time on the different hard surfaces. For instances on ABS plastic it may cure in seconds, but on metal it may take up to 30 min.

STORAGE

- Keep in a cool dry place.
- Keep out of direct sunlight.
- After opening the adhesive, store it by wiping off all excess glue from the nozzle and insert the red pin that is provided. Store in upright position.

WARNINGS



CYANOACRYLATE. DANGER. BONDS SKIN AND EYES IN SECONDS. KEEP OUT OF REACH OF CHILDREN. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. AVOID BREATHING VAPOURS. IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

PRODUCT **Q-Bond Adhesive**

Section 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name : Q-Bond adhesive
Product Code : QB1, QB2, QB3, and QB7
Recommended use : General purpose adhesive
Supplier : Olympus Imports (Pty) Ltd **trading as Q-Bond**
Address : P O Box 3223, Randgate, Randfontein,1763, South Africa
Emergency Telephone Number : Mobile: 27 83 246 0911

Section 2

COMPOSITION/INFORMATION ON COMPONENTS

Substance/Preparation : Preparation

Chemical Nature : Liquid

Hazardous Components :-

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>	<u>EU Classification</u>
Ethyl Cyanoacrylate	7085-85-0	99.8 %	Not listed
Hydroquinone	123-31-9	0.2 %	Xn; R20-51/53

Section 3

HAZARDS IDENTIFICATION

Classification
Dangerous goods
Risk Symbols

: Not classified as dangerous goods.
: Not required (Concentration below cut-off limits for Xn substances).



Risk Phrases

: See section 15 - Regulatory

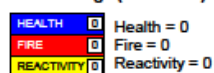
Physical/chemical hazards
Human health hazard
Environmental health hazard

: No specific hazard.
: Bonds to skin and eyes in seconds.
: No specific hazard.

- NFPA ratings (scale 0 - 4)



- HMIS ratings (scale 0 - 4)



PRODUCT **Q-Bond Adhesive**

Section 4

FIRST AID MEASURES

- Eye contact** : Rinse immediately with plenty of water for at least 15 minutes, seek medical attention.
- Skin contact** : Rinse off with water.
- Ingestion** : Wash out mouth with water. Do not induce vomiting. Administer 300 ml of water or milk to dilute stomach contents. Seek medical attention.
- Inhalation** : Move victim to fresh air. Seek medical attention of symptoms persist.

Section 5

FIRE-FIGHTING MEASURES

- Suitable extinguishing media** : All media. Water and foam may cause some frothing. Controlled frothing may restrict inhibit oxygen supply to the fire.
- Special protective equipment** : Self-contained breathing apparatus and protective suit.
- Specific hazards** : Irritating and toxic fumes may be liberated in large fires.

Section 6

ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid contact with skin, eyes and clothing.
- Methods for cleaning up** : Collect dry and reacted material and dispose as ordinary waste.

Section 7

HANDLING AND STORAGE

- Personal precautions** : Avoid contact with skin, eyes and clothing.
- Methods for cleaning up** : Collect dry and reacted material and dispose as ordinary waste.

Section 8

EXPOSURE CONTROL/PERSONAL PROTECTION

- Exposure limits**
- Ethyl cyanoacrylate** : TWA – 0.2 ppm.
STEL – Not available.
- Hydroquinone** : TWA – 2 mg/m³
STEL – Not available
- Personal protective equipment**
- Eye protection** : Goggles or face shield.
- Skin and body protection** : No special requirements.
- Protective measures** : No special requirements.
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PRODUCT **Q-Bond Adhesive**

Section 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Clear transparent liquid
Colour	: Colourless
Odour	: Sharp, irritating
Initial boiling point	: Approximately 150 deg. C
Flash point	: >82 deg C.
Specific gravity	: 1.05
Water solubility	: Polymerises in water
Vapour Pressure	: < 0.2 mm at 24 deg C.
Vapour density	: 3
Viscosity	: 2 – 32 CPS at 25 deg C

Section 10

STABILITY AND REACTIVITY

Conditions to avoid	: Stable under ordinary conditions of use and storage
Materials to avoid	: Water, alcohols, amines and alkalis.
Hazardous decomposition products	: Irritating and toxic fumes in large fires
Hazardous Polymerization	: Will occur when exposed to heat or incompatible materials.

Section 11

TOXICOLOGICAL INFORMATION

Potential acute health effects	
Inhalation	: Long term exposure may lead to allergic rhinitis.
Ingestion	: Will bond to skin tongue and mucous membrane within seconds.
Eye contact	: Will bond to lids and eye surface within seconds. Can cause
irritation,	
Eyelids	Corneal abrasion, loss of eyelashes and keratoconjunctivitis.
	may remain sealed for 1 to 4 days.
Skin contact	: Will bond to skin within seconds.
Acute toxicity	
Ethyl cyanoacrylate	: LD50 5ml/kg rat
Hydroquinone	: LD50 130 mg/kg oral, rat
Carcinogen rating	
Ethyl cyanoacrylate	: Not listed as a carcinogen.
Hydroquinone	3

Section 12

ECOLOGICAL INFORMATION

Ecotoxicity	
Ethyl cyanoacrylate	: No information available.
Hydroquinone	: Daphnia Magna (LC50) 96h 0.05 ppm.

PRODUCT **Q-Bond Adhesive**

Persistence/ degradability
Ethyl cyanoacrylate : No information available.
Hydroquinone : BOD = 53%
BCF – Does not concentrate in the food chain.

Section 13 **DISPOSAL CONSIDERATIONS**

Product : Dispose as normal waste in accordance with local and national regulations.
Containers : Dispose as normal waste in accordance with local and national regulations.
Contaminated packaging : Dispose as normal waste in accordance with local and national regulations.

Section 14 **TRANSPORT INFORMATION**

Road and rail transport : Not classified as dangerous goods.
Sea transport (IMDG) : Not classified as dangerous goods.
Air transport (IATA) : Not classified as dangerous goods.

Section 15 **REGULATORY INFORMATION**

National legislation (South Africa)
Hazardous substances : Occupational Health And Safety Act, Act 85 of 1995 - Regulations for hazardous chemical substances.
Waste disposal : National Water Act, Act 36 of 1998
Other regulations
Hazard Symbols : Not required.
Risk phrases : Cyanoacrylate. Danger.
Bonds to skin and eyes in seconds.
Keep out of reach of children.
Product use : General purpose adhesive.

Section 16 **OTHER INFORMATION**

16.1 This Safety Data Sheet has been prepared using data supplied by the manufacturers of the ingredients and summarises our best knowledge, at the date of issue, and of the health and safety information of the product and how to safely handle and use the product in the workplace. Since Q-Bond cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review this Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Q-Bond.

16.2 Original : May 2005
Revised : Jan 2021

PRODUCT **Q-Bond Adhesive**

Section 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name : Q-Bond Black Powder
Product Code : QB4
Recommended use : Additive for Q-Bond adhesive
Supplier : Olympus Imports (Pty) Ltd, trading as Q-Bond
Address : PO Box 3223 Randgate, Randfontein, 1763, South Africa.
Emergency Telephone Number : Mobile 27 83 246 0911
Fax number : 27 11 692 3988

Section 2

COMPOSITION/INFORMATION ON COMPONENTS

Substance/Preparation : Preparation
Chemical Nature : Dry Powder mixture
Hazardous Components :-

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>	<u>EU Classification</u>
The product consists of metal oxide pigments and salts and contains no ingredients either listed as dangerous goods, or listed as EU classified substances.			

Section 3

HAZARDS IDENTIFICATION

Classification
Dangerous goods : Not classified as dangerous goods.
Risk Symbols : Not required
Risk Phrases : Not required
Physical/chemical hazards : No specific hazard.
Human health hazard : No specific hazard.
Environmental health hazard : No specific hazard.

Section 4

FIRST AID MEASURES

Eye contact : Rinse with plenty of water. If irritation persists, seek medical attention.
Skin contact : Not irritating to the skin. Gently brush away excess powder.
Ingestion : No, or very low, oral toxicity. If discomfort occur, obtain medical attention.
Inhalation : No adverse effects.

PRODUCT **Q-Bond Adhesive**

Section 5

FIRE-FIGHTING MEASURES

The product is not flammable or combustible

Suitable extinguishing media : No restrictions.

Special protective equipment : None.

Specific hazards : None.

Section 6

ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid formation of dust.

Environmental precautions : No special precautions required.

Methods for cleaning up : Collect material and dispose as ordinary waste.

Section 7

HANDLING AND STORAGE

Safe handling advice : Prevent the formation of dust.

Storage Conditions : Store in a dry, well ventilated area. Store away from incompatible materials such as water and acids.

Section 8

EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits

No TWA or STEL listings for any of the ingredients.

Personal protective equipment

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Protective measures : No special requirements.

Section 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Dry powder

Colour : Black

Odour : None

Initial boiling point : Not applicable

Flash point : Not applicable.

Specific gravity : 3.4

Water solubility : Partially soluble in water

Vapour Pressure : Not applicable

Melting Point : No clearly defined melting point

PRODUCT **Q-Bond Adhesive**

Section 10

STABILITY AND REACTIVITY

- Conditions to avoid** : Stable under ordinary conditions of use and storage
- Materials to avoid** : Moisture and strong acids.
- Hazardous decomposition products** : Carbon dioxide in large fires.
- Hazardous Polymerization** : Does not occur.

Section 11

TOXICOLOGICAL INFORMATION

- Potential acute health effects**
- Inhalation** : No specific effects.
- Ingestion** : No specific effects.
- Eye contact** : No specific effects.
- Skin contact** : No specific effects.
- Acute toxicity** : No listed toxic effects for any of the ingredients.
- Carcinogen rating** : No listed carcinogenic ratings for any of the ingredients.

Section 12

ECOLOGICAL INFORMATION

- Ecotoxicity** : No listed aquatic toxic effects for any of the ingredients.
- Persistence/ degradability** : No BOD or BCF ratings available for any of the ingredients.

Section 13

DISPOSAL CONSIDERATIONS

- Product** : Dispose as normal waste in accordance with local and national regulations.
- Containers** : Dispose as normal waste in accordance with local and national regulations.
- Contaminated packaging** : Dispose as normal waste in accordance with local and national regulations.

Section 14

TRANSPORT INFORMATION

- Road and rail transport** : Not classified as dangerous goods.
- Sea transport (IMDG)** : Not classified as dangerous goods.
- Air transport (IATA)** : Not classified as dangerous goods.

Section 15

REGULATORY INFORMATION

- National legislation (South Africa)**
- Hazardous substances** : Occupational Health And Safety Act, Act 85 of 1995 - Regulations for hazardous chemical substances.
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PRODUCT **Q-Bond Adhesive**

Waste disposal : National Water Act, Act 36 of 1998

Other regulations

Hazard Symbols : Not required.

Risk phrases : Not required.

Product use : Additive for Q-Bond adhesive.

Section 16

OTHER INFORMATION

16.1 This Safety Data Sheet has been prepared using data supplied by the manufacturers of the ingredients and summarises our best knowledge, at the date of issue, and of the health and safety information of the product and how to safely handle and use the product in the workplace. Since Q-Bond cannot anticipate or control the conditions under which the product may be used, each user must prior to usage, review this Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Q-Bond.

16.2 Original : May 2005

Revised : Jan 2021

PRODUCT **Q-Bond Adhesive**

Section 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name : Q-Bond Grey Powder
Product Code : QB8
Recommended use : Additive for Q-Bond adhesive
Supplier : Olympus Imports (Pty) Ltd, trading as Q-Bond
Address : PO Box 3223 Randgate, Randfontein, 1763, South Africa.
Emergency Telephone Number : Mobile 27 83 246 0911

Section 2

COMPOSITION/INFORMATION ON COMPONENTS

Substance/Preparation : Preparation
Chemical Nature : Dry Powder mixture
Hazardous Components :-

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>	<u>EU Classification</u>
The product consists of metal oxide pigments and salts and contains no ingredients either listed as dangerous goods, or listed as EU classified substance.			

Section 3

HAZARDS IDENTIFICATION

Classification
Dangerous goods : Not classified as dangerous goods.
Risk Symbols : Not required
Risk Phrases : Not required
Physical/chemical hazards : No specific hazard.
Human health hazard : No specific hazard.
Environmental health hazard : No specific hazard.

Section 4

FIRST AID MEASURES

Eye contact : Rinse with plenty of water. If irritation persists, seek medical attention.
Skin contact : Not irritating to the skin. Gently brush away excess powder.
Ingestion : No, or very low, oral toxicity. If discomfort occur, obtain medical attention.
Inhalation : No adverse effects.

PRODUCT **Q-Bond Adhesive**

Section 5

FIRE-FIGHTING MEASURES

The product is not flammable or combustible

Suitable extinguishing media : No restrictions.

Special protective equipment : None.

Specific hazards : None.

Section 6

ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid formation of dust.

Environmental precautions : No special precautions required.

Methods for cleaning up : Collect material and dispose as ordinary waste.

Section 7

HANDLING AND STORAGE

Safe handling advice : Prevent the formation of dust.

Storage Conditions : Store in a dry, well ventilated area. Store away from incompatible materials such as water and acids.

Section 8

EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits

No TWA or STEL listings for any of the ingredients.

Personal protective equipment

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Protective measures : No special requirements.

Section 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Dry powder

Colour : Grey

Odour : None

Initial boiling point : Not applicable

Flash point : Not applicable.

Specific gravity : 3.4

Water solubility : Partially soluble in water

Vapour Pressure : Not applicable

Melting Point : No clearly defined melting point

PRODUCT **Q-Bond Adhesive**

Section 10

STABILITY AND REACTIVITY

- Conditions to avoid** : Stable under ordinary conditions of use and storage
- Materials to avoid** : Moisture and strong acids.
- Hazardous decomposition products** : Carbon dioxide in large fires.
- Hazardous Polymerization** : Does not occur.

Section 11

TOXICOLOGICAL INFORMATION

- Potential acute health effects**
- Inhalation** : No specific effects.
- Ingestion** : No specific effects.
- Eye contact** : No specific effects.
- Skin contact** : No specific effects.
- Acute toxicity** : No listed toxic effects for any of the ingredients.
- Carcinogen rating** : No listed carcinogenic ratings for any of the ingredients.

Section 12

ECOLOGICAL INFORMATION

- Ecotoxicity** : No listed aquatic toxic effects for any of the ingredients.
- Persistence/ degradability** : No BOD or BCF ratings available for any of the ingredients.

Section 13

DISPOSAL CONSIDERATIONS

- Product** : Dispose as normal waste in accordance with local and national regulations.
- Containers** : Dispose as normal waste in accordance with local and national regulations.
- Contaminated packaging** : Dispose as normal waste in accordance with local and national regulations.

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TRANSPORT INFORMATION

- Road and rail transport** : Not classified as dangerous goods.
- Sea transport (IMDG)** : Not classified as dangerous goods.
- Air transport (IATA)** : Not classified as dangerous goods.

Section 15

REGULATORY INFORMATION

- National legislation (South Africa)**
- Hazardous substances** : Occupational Health And Safety Act, Act 85 of 1995 - Regulations for hazardous chemical substances.
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PRODUCT **Q-Bond Adhesive**

Waste disposal : National Water Act, Act 36 of 1998

Other regulations

Hazard Symbols : Not required.

Risk phrases : Not required.

Product use : Additive for Q-Bond adhesive.

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16.2 Original : May 2005

Revised : Jan 2021

End of MSDS
