

PRODUCT **Q-Bond****Section 1****PRODUCT AND COMPANY IDENTIFICATION**

Identity : Q-Bond adhesive

Product Code : QB2, QB3

Recommended use : General purpose adhesive

Manufacturers Name : Olympus Imports Pty Ltd t/a Q-bond

Address : 8 Foden Street, Aureus, Randfontein, 1760, South Africa
: PO Box 3223, Randgate, Randfontein, 1763, South Africa

Supplier : Autobody Jobbers Warehouse Inc

Emergency Telephone Number : Mobile:Chemtrec 800 424 9300 / www.qbond.net


Address : 245 Park Ave, Paterson, New Jersey, 07501

Fax Number : 1 973 225 9449

Section 2**HAZARDS IDENTIFICATION**

Classification : Not classified as dangerous goods.

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

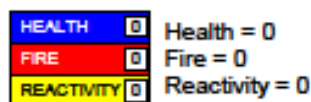
Risk Symbols  Harmful/Irritant

Risk Phrases : See section 15 - Regulatory

Physical/chemical hazards : No specific hazard.

Human health hazard : Bonds to skin and eyes in seconds.

Environmental health hazard : No specific hazard.

- NFPA ratings (scale 0 - 4)**- HMIS-ratings (scale 0 - 4)**

PRODUCT **Q-Bond****Section 3****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 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 and 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.

PRODUCT **Q-Bond****Section 8****EXPOSURE CONTROL/PERSONAL PROTECTION**

Exposure limits	
Ethyl cyanoacrylate	: TWA – 0.2 ppm. STEL – Not available.
Hydroquinone	: TWA – 2 mg/m ³ STEL – Not available
Personal protective equipment	
Eye protection	: Goggles or face shield.
Skin and body protection	: No special requirements.
Protective measures	: No special requirements.

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, Corneal abrasion, loss of eyelashes and keratoconjunctivitis.
Eyelids	: 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**

PRODUCT **Q-Bond**

Ecotoxicity	
Ethyl cyanoacrylate	: No information available.
Hydroquinone	: Daphnia Magna (LC50) 96h 0.05 ppm.
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 State and Federal regulations.
Containers	: Dispose as normal waste in accordance with Local State and Federal regulations.
Contaminated packaging	: Dispose as normal waste in accordance with Local State and Federal 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.

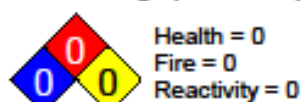
16.2 Original	: May 2005
Revised	: May 2020

PRODUCT **Q-Bond****Section 1****PRODUCT AND COMPANY IDENTIFICATION**

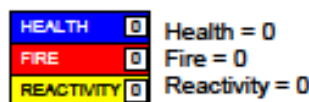
Identity	: Q-Bond Black Powder
Product Code	: QB2
Recommended use	: Additive for Q-bond adhesive
Manufacturers Name	: Olympus Imports Pty Ltd t/a Q-bond
Address	: 8 Foden Street, Aureus, Randfontein, 1760, South Africa : PO Box 3223, Randgate, Randfontein, 1763, South Africa
Supplier	: Autobody Jobbers Warehouse Inc
Emergency Telephone Number	: Mobile:Chemtrec 800 424 9300 / www.qbond.net
Address	: 245 Park Ave, Paterson, New Jersey, 07501
Fax Number	: 1 973 225 9449

Section 2**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.

- NFPA ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0

- HMIS-ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0

Section 3**COMPOSITION/INFORMATION ON COMPONENTS**

PRODUCT **Q-Bond**

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

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 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.

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

PRODUCT **Q-Bond**

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

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 State and
Federal regulations.

PRODUCT **Q-Bond**

Containers : Dispose as normal waste in accordance with Local State and Federal regulations.

Contaminated packaging : Dispose as normal waste in accordance with Local State and Federal 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

: 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 : May 2020

Section 1**PRODUCT AND COMPANY IDENTIFICATION**

Identity : Q-Bond Grey Powder

Product Code : QB2

PRODUCT **Q-Bond**

Recommended use : Additive for Q-bond adhesive

Manufacturers Name : Olympus Imports Pty Ltd t/a Q-bond

Address : 8 Foden Street, Aureus, Randfontein, 1760, South Africa
: PO Box 3223, Randgate, Randfontein, 1763, South Africa

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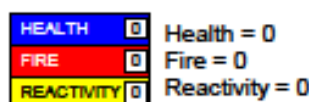
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Section 2**HAZARDS IDENTIFICATION**

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.

- NFPA ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0

- HMIS-ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0

Section 3**COMPOSITION/INFORMATION ON COMPONENTS**

Substance/Preparation : Preparation

Chemical Nature : Dry Powder mixture

Hazardous Components :-

PRODUCT **Q-Bond**

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 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.

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.
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PRODUCT **Q-Bond**

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

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.

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TOXICOLOGICAL INFORMATION

Potential acute health effects
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Carcinogen rating : No listed carcinogenic ratings for any of the ingredients.

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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 State and Federal regulations.

Containers : Dispose as normal waste in accordance with Local State and Federal regulations.

PRODUCT **Q-Bond**

Contaminated packaging : Dispose as normal waste in accordance with Local State and Federal 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.

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National legislation (South Africa)

Hazardous substances : Occupational Health And Safety Act, Act 85 of 1995 - Regulations for hazardous chemical substances.

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Risk phrases : Not required.

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End of SDS
