

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

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

- **1.1 Product identifier**
- **Trade name: Q 40-290 1K UV High Build Primer**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Filler
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Q-Company Int. GmbH  
Lentföhrdener Strasse 12 – 14  
D-24576 Weddelbrook, Germany  
msds@qrefinish.com  
Tel +49 (0)4192 891420  
www.qrefinish.com
- **1.4 Emergency telephone number:** +49 (0)551-19240 (Gif tinformat ionszentrum-Nord)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



health hazard

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Styrene  
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide  
maleic anhydride

(Contd. on page 2)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 1)

1,2,3,6-tetrahydrophthalic anhydride

**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 100-42-5 EINECS: 202-851-5 Reg.nr.: 01-2119457861-32	Styrene ⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	≥10-<15%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥10-<15%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	Ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	2.5-<10%
CAS: 162881-26-7 ELINCS: 423-340-5 Reg.nr.: 01-2119489401-38	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide ⚠ Skin Sens. 1A, H317; Aquatic Chronic 4, H413	≥1-<2.5%
CAS: 85-43-8 EINECS: 201-605-4 Reg.nr.: 01-2119486679-14	1,2,3,6-tetrahydrophthalic anhydride ⚠ Resp. Sens. 1, H334; ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥0.1-<1%
CAS: 75980-60-8 EINECS: 278-355-8	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide ⚠ Repr. 2, H361f; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1B, H317	≥0.25-<1%
CAS: 85711-46-2 EINECS: 288-306-2 Reg.nr.: 01-2119976378-19	Fatty acids, C14-18 and C16-18-unsat., maleated ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥0.1-<1%

(Contd. on page 3)





## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 3)

- **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 away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
- Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **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:**

<b>100-42-5 Styrene</b>	
WEL	Short-term value: 1080 mg/m <sup>3</sup> , 250 ppm Long-term value: 430 mg/m <sup>3</sup> , 100 ppm
<b>67-64-1 acetone</b>	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
<b>141-78-6 Ethyl acetate</b>	
WEL	Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm Long-term value: 734 mg/m <sup>3</sup> , 200 ppm
<b>67-56-1 methanol</b>	
WEL	Short-term value: 333 mg/m <sup>3</sup> , 250 ppm Long-term value: 266 mg/m <sup>3</sup> , 200 ppm Sk
<b>108-31-6 maleic anhydride</b>	
WEL	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Sen

- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 5)

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 4)

- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**



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**

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves (EN 374)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. 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 the application.

- **Breakthrough time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- |   |                                    |
|---|------------------------------------|
| · <b>Physical state</b>   | Fluid                              |
| · <b>Colour:</b>  | According to product specification |
| · <b>Odour:</b>   | Characteristic                     |
| · <b>Odour threshold:</b>   | Not determined.                    |
| · <b>Melting point/freezing point:</b>                            | Undetermined.                      |
| · <b>Boiling point or initial boiling point and boiling range</b> | 56 °C (67-64-1 acetone)            |
| · <b>Flammability</b>   | Highly flammable.                  |

(Contd. on page 6)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 5)

· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	1.2 Vol % (100-42-5 Styrene)
· <b>Upper:</b>	13 Vol % (67-64-1 acetone)
· <b>Flash point:</b>	-17 °C (DIN EN ISO 1523:2002, 67-64-1 acetone)
· <b>Ignition temperature:</b>	460 °C (DIN 51794, 141-78-6 Ethyl acetate)
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity at 20 °C</b>	30-40 s (DIN 53211/4)
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Fully miscible.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	233 hPa (67-64-1 acetone)
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.361 g/cm <sup>3</sup> (DIN EN ISO 2811-1)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.

· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Solvent content:</b>	
· <b>VOC (EC)</b>	18.85 %
· <b>Solids content (weight-%):</b>	66.8 %
· <b>Change in condition</b>	
· <b>Evaporation rate</b>	Not determined.

· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Highly flammable liquid and vapour.
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

GB

(Contd. on page 7)





## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

Trade name: **Q 40-290 1K UV High Build Primer**

(Contd. of page 6)

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Reproductive toxicity** Suspected of damaging the unborn child.
- **STOT-repeated exposure** Causes damage to the hearing organs through prolonged or repeated exposure.
- **11.2 Information on other hazards**

#### · Endocrine disrupting properties

128-37-0 Butylated hydroxytoluene

List II

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
- *Water hazard class 2 (German Regulation) : hazardous for water*
- *Do not allow product to reach ground water, water course or sewage system.*
- *Danger to drinking water if even small quantities leak into the ground.*

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
- *Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:**
- *Packagings that may not be cleansed are to be disposed of in the same manner as the product.*

(Contd. on page 8)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 7)

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· **14.1 UN number or ID number**  
· **ADR, IMDG, IATA**

UN1263

· **14.2 UN proper shipping name**  
· **ADR**  
· **IMDG, IATA**

UN1263 PAINT  
PAINT

· **14.3 Transport hazard class(es)**  
· **ADR**



· **Class**  
· **Label**

3 (F1) Flammable liquids.  
3

· **IMDG, IATA**



· **Class**  
· **Label**

3 Flammable liquids.  
3

· **14.4 Packing group**  
· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**  
· **Hazard identification number (Kemler code):**  
· **EMS Number:**  
· **Stowage Category**

Warning: Flammable liquids.  
33  
F-E, S-E  
B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR**  
· **Limited quantities (LQ)**  
· **Transport category**  
· **Tunnel restriction code**

5L  
2  
D/E

· **IMDG**  
· **Limited quantities (LQ)**

5L

· **UN "Model Regulation":**

UN 1263 PAINT, 3, II

GB

(Contd. on page 9)





## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

Trade name: **Q 40-290 1K UV High Build Primer**

(Contd. of page 8)

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c FLAMMABLE LIQUIDS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**

Class	Share in %
I	<2.5
NK	25-50

- **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.

#### · Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H361f Suspected of damaging fertility.
- H370 Causes damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH071 Corrosive to the respiratory tract.

#### · Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

#### · Abbreviations and acronyms:

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

(Contd. on page 10)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.01.2023

Version number 2 (replaces version 1)

Revision: 17.01.2023

**Trade name: Q 40-290 1K UV High Build Primer**

(Contd. of page 9)

*IATA: International Air Transport Association*  
*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)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Flam. Liq. 2: Flammable liquids – Category 2*  
*Flam. Liq. 3: Flammable liquids – Category 3*  
*Acute Tox. 3: Acute toxicity – Category 3*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Resp. Sens. 1: Respiratory sensitisation – Category 1*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1A: Skin sensitisation – Category 1A*  
*Skin Sens. 1B: Skin sensitisation – Category 1B*  
*Repr. 2: Reproductive toxicity – Category 2*  
*Repr. 2: Reproductive toxicity – Category 2*  
*STOT SE 1: Specific target organ toxicity (single exposure) – Category 1*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*  
*Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*  
 · **\* Data compared to the previous version altered.**

GB