



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

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

1.1 Product identifier

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

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

Identified uses: professional use.

Application of the substance / the mixture Degreasing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Q-Company Int. GmbH
Beckershof 3
24558 Henstedt-Ulzburg
web: www.qrefinish.com

Further information obtainable from: msds@qrefinish.com

1.4 Emergency telephone number:

+49 (0)551-19240 (Giftinformationszentrum-Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02

Flam. Liq. 2

H225 Highly flammable liquid and vapour.



GHS08

Repr. 2

H361 Suspected of damaging fertility or the unborn child.

Asp. Tox. 1

H304 May be fatal if swallowed and enters airways.



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

(Contd. on page 2)

— EN —



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 1)

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word Danger

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

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

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

(Contd. on page 3)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 2)

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

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

List no.: 927-241-2 Reg.nr.: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336; Aquatic Chronic 3, H412	25-50%
CAS: 64742-49-0 EINECS: 265-151-9 Reg.nr.: 01-2119475133-43	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
List no.: 905-562-9 Reg.nr.: 01-2119555267-33	reaction mass of ethylbenzene and m-xylene and p-xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-5%
List no.: 918-668-5 Reg.nr.: 01-2119455851-35	hydrocarbons, C9, aromatics ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	1-5%
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	1-5%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

BENZYL BENZOATE, BENZYL ALCOHOL

<5%

Additional information:

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

(Contd. on page 4)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 3)

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water.**After swallowing:** Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

(Contd. on page 5)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 4)

Keep away from ignition sources.
Avoid contact with the eyes and skin.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents.
Dispose of the material collected according to regulations.

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
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7.1 Precautions for safe handling

Open and handle receptacle with care.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.
Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.

(Contd. on page 6)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 5)

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection****Additional information about design of technical facilities:**

No further data; see item 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****141-78-6 ethyl acetate**

WEL (Great Britain)	Short-term value: 400 ppm Long-term value: 200 ppm
IOELV (EU)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm

Regulatory information

WEL (Great Britain): EH40/2011

IOELV (EU): (EU) 2017/164

DNELs**hydrocarbons, C9, aromatics**

Dermal	DNEL	25 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	150 mg/m ³ (long-term - systemic effects, workers)

141-78-6 ethyl acetate

Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1,468 mg/m ³ (acute - systemic effects, workers)
		1,468 mg/m ³ (acute - local effects, workers)
		734 mg/m ³ (long-term - systemic effects, workers)
		734 mg/m ³ (long-term - local effects, workers)

PNECs**141-78-6 ethyl acetate**

PNEC	0.24 mg/l (freshwater environment)
	0.024 mg/l (marine environment)
	1.65 mg/l (intermittent releases)
	650 mg/l (sewage treatment plants)
PNEC	1.15 mg/kg (freshwater sediment environment)
	0.115 mg/kg (marine sediment environment)

(Contd. on page 7)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 6)

Ingredients with biological limit values:	
reaction mass of ethylbenzene and m-xylene and p-xylene	
BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Regulatory information BMGV (Great Britain): EH40/2011

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

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 and skin.

Do not eat or drink while working.

Respiratory protection:

Filter A2/P2

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective gloves

Check the permeability prior to each renewed use of the glove.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

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.

(Contd. on page 8)

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 7)

Penetration 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 protection:

Tightly sealed goggles

Body protection: Protective work clothing**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Fluid
Colour:	Colourless
Odour:	Product specific
Odour threshold:	Not determined.

pH-value: Not applicable.**Change in condition**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	70 °C Undetermined.

Flash point: 18 °C**Flammability (solid, gas):** Not applicable.**Decomposition temperature:** Not determined.**Auto-ignition temperature:** Not determined.**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**Explosion limits:**

Lower:	0.7 Vol %
Upper:	11.5 Vol %

(Contd. on page 9)

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 8)

Vapour pressure at 20 °C:	98 hPa
Density:	0.74-0.75 g/cm ³
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** No decomposition if used according to specifications.**10.2 Chemical stability**

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid Protect from heat and direct sunlight.**10.5 Incompatible materials:** No further relevant information available.**10.6 Hazardous decomposition products:**

Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,610 mg/l (rat)

(Contd. on page 10)

**Safety data sheet**
according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 9)

reaction mass of ethylbenzene and m-xylene and p-xylene		
Oral	ATE	>2,000 mg/kg
Dermal	ATE	1,466.67 mg/kg
Inhalative	ATE	12.09 mg/l
hydrocarbons, C9, aromatics		
Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg
Inhalative	LC50/4 h	>6,193 mg/l (rat)
141-78-6 ethyl acetate		
Oral	LD50	6,100 mg/kg (rat)
Dermal	LD50	>20,000 mg/kg (rabbit)
Inhalative	LC50/6 h	58 mg/l (rat)

Primary irritant effect:**Skin corrosion/irritation**

Causes skin irritation.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.**Reproductive toxicity**

Suspected of damaging fertility or the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

(Contd. on page 11)

— EN —

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 10)

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****64742-49-0 Naphtha (petroleum), hydrotreated light**

EC50/48 h	4.5 mg/l (Daphnia magna)
LL50/96 h	8.2 mg/l (Pimephales promelas)

hydrocarbons, C9, aromatics

ErC50/96 h	9.2 mg/l (fish)
EL50/48 h	3.2 mg/l (Daphnia magna)
ErL50/72 h	2.9 mg/l (Pseudokirchnerella subcapitata)
EC50/48 h	6.14 mg/l (Daphnia magna)
EC50/10 min	>99 mg/l (microorganisms)

141-78-6 ethyl acetate

LC50/96 h	230 mg/l (Pimephales promelas)
EC50/48 h	165 mg/l (Daphnia cucullata)
EC50/72 h	>900 mg/l (Scenedesmus subspicatus)
EC3/16 h	650 mg/l (Pseudomonas putida)

12.2 Persistence and degradability**hydrocarbons, C9, aromatics**

Biodegradation | 78 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)

141-78-6 ethyl acetate

Biodegradation | 93.9 % (readily biodegradable) (OECD 301 B, aerobic)

12.3 Bioaccumulative potential**141-78-6 ethyl acetate**

BCF	30 (-)
log Pow	0.66

12.4 Mobility in soil No further relevant information available.**Additional ecological information:****General notes:**

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.

Toxic for aquatic organisms

(Contd. on page 12)

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 11)

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**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.

European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number****ADR, IMDG, IATA**

UN1263

14.2 UN proper shipping name**ADR**

1263 PAINT

IMDG

PAINT (Naphtha (petroleum), hydrotreated light, hydrocarbons, C9, aromatics), MARINE POLLUTANT

IATA

PAINT

14.3 Transport hazard class(es)**ADR, IMDG****Class**

3

(Contd. on page 13)

**Safety data sheet
according to 1907/2006/EC, Article 31**


Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 12)

Label	3
IATA	
	
Class	3
Label	3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards:	Environmentally hazardous substance, liquid Product contains environmentally hazardous substances: allyl heptanoate, Naphtha (petroleum), hydrotreated light
Marine pollutant (IMDG):	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	33
EMS Number:	F-E, S-E
Stowage Category	B
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT, 3, II

(Contd. on page 14)

EN —



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 13)

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**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements

200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements

500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

(Contd. on page 15)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.07.2017

V- 1

Revision: 26.05.2017

Trade name: Q 60-010 SILICONE REMOVER SOLVENT BASED

(Contd. of page 14)

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 2: Reproductive toxicity. Hazard Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

Sources European Chemicals Agency, <http://echa.europa.eu/>