

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Q618D-Lead free


Revision 0

Revision date 2015-05-07

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

1.1. Product identifier	
Product name	Q618D-Lead free
CAS No.	65997-05-9
EC No.	500-163-2
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	Soldering.
1.3. Details of the supplier of the safety data sheet	
Company	Qualitek Europe Ltd
Address	Unit 9 Apex Court Bassendale Road Bromborough Wirral CH62 3RE
Web	www.qualitek.com
Telephone	+ 44(0)151 334 0888
Fax	+ 44(0)151 334 1408
Email address of the competent person	sales@qualitek-europe.com
1.4. Emergency telephone number	
Emergency telephone number	+ 44(0)151 334 0888 9.00 am - 5.00 pm Mon -Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
2.1.1. Classification - 67/548/EEC	T; R48/23 Symbols: Xn: Harmful.
Main hazards	May cause sensitisation by inhalation and skin contact.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302+H312; Skin Sens. 1: H317; Resp. Sens. 1: H334; STOT SE 3: H335;
2.2. Label elements	
Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.

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2.2. Label elements

Precautionary Statement: Prevention	Skin Sens. 1: H317 - May cause an allergic skin reaction. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. STOT SE 3: H335 - May cause respiratory irritation.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
Precautionary Statement: Disposal	Do not empty into drains; dispose of this material and its container in a safe way.

Further information

	Rosin: Caution: exposure to this material may cause certain sensitive individuals to develop eczema and/or asthma. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Modified Rosin		65997-05-9	500-163-2	01-2119964093-37	5-15%	T; R48/23
Tin		7440-31-5	231-141-8	01-2119486474-28	90-100%	
Copper (Copper fume)		7440-50-8		01-2119480154-42	0-1%	Xn; R22 R53
Silver (Silver, metallic)		7440-22-4	231-131-3	01-2119555669-21	2-4%	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Modified Rosin		65997-05-9	500-163-2	01-2119964093-37	5-15%	Acute Tox. 4: H302+H312; Skin Sens. 1: H317; Resp. Sens. 1: H334; STOT SE 3: H335;
Tin		7440-31-5	231-141-8	01-2119486474-28	90-100%	
Copper (Copper fume)		7440-50-8		01-2119480154-42	0-1%	Acute Tox. 4: H302; Skin Irrit. 2: H315; STOT SE 3: H335; Aquatic Acute 1: H400;
Silver (Silver, metallic)		7440-22-4	231-131-3	01-2119555669-21	2-4%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

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4.1. Description of first aid measures

Skin contact	Seek medical attention if irritation or symptoms persist.
	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Copper (Copper dusts and mists (as Cu))	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
Copper (Copper fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.2
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Modified Rosin	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.05
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 0.15
Silver (Silver, metallic)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.

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8.2. Exposure controls

Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear:.. Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Paste
Colour	Grey
Odour	Characteristic
Melting point	217 °C
Boiling point	197 °C
Flash point	> 98 °C
Autoignition temperature	> 226 °C
Solubility	Slightly soluble in water

9.2. Other information

Specific gravity	3.5 - 5.5 g/cm ³
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

Q618D-Lead free	Dermal Rat LD50: >3000	Oral Mouse LD50: >3000
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SECTION 12: Ecological information

12.3. Bioaccumulative potential

	Does not bioaccumulate.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

	This Product is Classified to Regulation 1272/2008/EC(CLP).
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SECTION 16: Other information

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Other information

Text of risk phrases in Section 3	R22 - Harmful if swallowed. R42/43 - May cause sensitisation by inhalation and skin contact. R53 - May cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Sens. 1: H317 - May cause an allergic skin reaction. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. STOT SE 3: H335 - May cause respiratory irritation. Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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