

## SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/5

### QSW-NC600-SN100e

Revision 9  
Revision date 2022-11-01

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

##### 1.1. Product identifier

|  |                             |
|--|-----------------------------|
| <b>Product name</b>                        | QSW-NC600-SN100e            |
| <b>Other means of identification / UFI</b> | UFI NO.G8YK-8QR7-V10G-HTCV. |

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

|                    |            |
|--------------------|------------|
| <b>Description</b> | Soldering. |
|--------------------|------------|

##### 1.3. Details of the supplier of the safety data sheet

|  |   |
|--|---|
| <b>Company</b>                               | Qualitek Europe Ltd   |
| <b>Address</b>                               | Unit 9 Apex Court<br>Bassendale Road<br>Bromborough<br>Wirral<br>CH62 3RE |
| <b>Web</b>                                   | www.qualitek.com  |
| <b>Telephone</b>                             | + 44(0)151 334 0888   |
| <b>Fax</b>                                   | + 44(0)151 334 1408   |
| <b>Email address of the competent person</b> | sales@qualitek-europe.com   |

##### 1.4. Emergency telephone number


|                                   |   |
|-----------------------------------|---|
| <b>Emergency telephone number</b> | + 44(0)151 334 0888<br>9.00 am - 5.00 pm Mon -Fri |
|-----------------------------------|---|

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

|   |                     |
|---|---------------------|
| <b>2.1.2. Classification - EC 1272/2008</b> | Skin Sens. 1: H317; |
|---|---------------------|

##### 2.2. Label elements

|  |   |
|--|---|
| <b>Hazard pictograms</b>                   |    |
| <b>Signal Word</b>                         | Warning   |
| <b>Hazard Statement</b>                    | Skin Sens. 1: H317 - May cause an allergic skin reaction.   |
| <b>Precautionary Statement: Prevention</b> | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Precautionary Statement: Response</b>   | P302+P352 - IF ON SKIN: Wash with plenty of water/ .<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.          |

## QSW-NC600-SN100e

Revision 9

Revision date 2022-11-01

## 2.2. Label elements

|  |  |
|--|--|
| <b>Precautionary Statement:<br/>Disposal</b> | Dispose of in compliance with all local and national regulations |
|--|--|

## Further information

|  |   |
|--|---|
|  | CAUTION CONTAINS ROSIN: 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. |
|--|---|

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

| Chemical Name              | Index No. | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification      |
|----------------------------|-----------|------------|-----------|---------------------------|--------------|---------------------|
| Tin                        |           | 7440-31-5  | 231-141-8 | 01-2119486474-28          | 95-100%      |                     |
| Natural Rosin (Mod Rosin)  |           | 65997-05-9 | 500-163-2 | 01-2119960933-37          | 1 - 10%      | Skin Sens. 1: H317; |
| copper-metal (Copper fume) |           | 7440-50-8  | 231-159-6 |                           | 0.5 - 1%     | STOT SE 3: H335;    |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | 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. |
| <b>Eye contact</b>  | Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.                                   |
| <b>Skin contact</b> | Irritating to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.   |
| <b>Ingestion</b>    | DO NOT INDUCE VOMITING. Seek medical attention.   |

## 4.2. Most important symptoms and effects, both acute and delayed

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Prolonged or repeated exposure may cause: Sensitization. |
| <b>Eye contact</b>  | Prolonged or repeated exposure may cause: Irritating to eyes.  |
| <b>Skin contact</b> | Prolonged or repeated exposure may cause: Skin irritation and dermatitis.  |

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |                |
|--|----------------|
|  | Carbon oxides. |
|--|----------------|

## 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

## 5.3. Advice for firefighters

|  |   |
|--|---|
|  | Wear suitable respiratory equipment when necessary. |
|--|---|

## 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. |
|--|--|

## 6.2. Environmental precautions

|  |  |
|--|--|
|  | No precautions required to be mentioned. |
|--|--|

## QSW-NC600-SN100e

Revision 9

Revision date 2022-11-01

## 6.3. Methods and material for containment and cleaning up

Sweep up. Transfer to suitable, labelled containers for disposal.

## 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.

## 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.

## 7.3. Specific end use(s)

Soldering.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

|   |  |  |
|---|--|--|
| copper-metal (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                          |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:    | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust:   | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| copper-metal (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: -                          |
|   | WEL 8-hr limit mg/m3 total -<br>inhalable dust:    | WEL 15 min limit mg/m3 total -<br>inhalable dust:  |
|   | WEL 8-hr limit mg/m3 total -<br>respirable dust:   | WEL 15 min limit mg/m3 total -<br>respirable dust: |
| Natural Rosin (Mod 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:                            |
|   | WEL 8-hr limit mg/m3 total 0.15<br>inhalable dust: | WEL 15 min limit mg/m3 total<br>inhalable dust:    |
|   | WEL 8-hr limit mg/m3 total<br>respirable dust:     | WEL 15 min limit mg/m3 total<br>respirable dust:   |

## 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.  |
| Eye / face protection                   | Approved safety goggles.  |
| Skin protection -<br>Handprotection     | Chemical resistant gloves (PVC).  |
| Respiratory protection                  | In case of insufficient ventilation, wear suitable respiratory equipment. |
| 8.2.3. Environmental exposure controls  | Not normally required.  |
| Occupational exposure controls          | Appropriate local exhaust ventilation is required.                        |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

## QSW-NC600-SN100e

Revision 9

Revision date 2022-11-01

## 9.1. Information on basic physical and chemical properties

|                          |                           |
|--------------------------|---------------------------|
| Appearance               | Solid                     |
| Colour                   | Dark grey                 |
| Odour                    | Characteristic            |
| Melting point            | 227 °C                    |
| Flash point              | > 115 °C                  |
| Autoignition temperature | > 226 °C                  |
| Solubility               | Slightly soluble in water |

## 9.2.1. Information with regard to physical hazard classes

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 9.2.2. Other safety characteristics

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |                    |
|--|--------------------|
|  | No data available. |
|--|--------------------|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |       |
|--|-------|
|  | None. |
|--|-------|

## 10.4. Conditions to avoid

|  |       |
|--|-------|
|  | None. |
|--|-------|

## 10.5. Incompatible materials

|  |  |
|--|--|
|  | Avoid contact with: Acids. Oxidising agents. |
|--|--|

## 10.6. Hazardous decomposition products

|  |  |
|--|--|
|  | aliphatic hydrocarbons. Acids. may be formed in fire conditions. |
|--|--|

## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | No Significant Hazard.                                  |
| Skin corrosion/irritation         | Irritating to eyes.                                     |
| Respiratory or skin sensitisation | May cause sensitisation by inhalation and skin contact. |
| Germ cell mutagenicity            | No mutagenic effects reported.                          |
| Carcinogenicity                   | No carcinogenic effects reported.                       |
| Reproductive toxicity             | No Significant Hazard.                                  |

## SECTION 12: Ecological information

## 12.2. Persistence and degradability

|  |                            |
|--|----------------------------|
|  | Not readily biodegradable. |
|--|----------------------------|

## 12.3. Bioaccumulative potential

|  |                         |
|--|-------------------------|
|  | Does not bioaccumulate. |
|--|-------------------------|

## 12.4. Mobility in soil

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## SECTION 13: Disposal considerations

## QSW-NC600-SN100e

Revision 9  
Revision date 2022-11-01

## General information

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. |
|--|---|

## SECTION 14: Transport information

## 14.1. UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.2. UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.3. Transport hazard class(es)

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.4. Packing group

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.5. Environmental hazards

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.6. Special precautions for user

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.7 Maritime Transport in bulk according to IMO instruments

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## Further information

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## SECTION 15: Regulatory information

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

|             |   |
|-------------|---|
| Regulations | REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
|-------------|---|

## SECTION 16: Other information

## Other information

|  |   |
|--|---|
| Revision                               | This document differs from the previous version in the following areas:<br>9 - 9.2.2. Other safety characteristics.<br>9 - 9.2.1. Information with regard to physical hazard classes. |
| Text of Hazard Statements in Section 3 | Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>STOT SE 3: H335 - May cause respiratory irritation.  |

## 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. |
|--|--|