



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## QSW-NC600-SN60-CLP

Revision 4  
Revision date 2015-06-04

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

#### 1.1. Product identifier

|              |                    |
|--------------|--------------------|
| Product name | QSW-NC600-SN60-CLP |
| CAS No.      | 7439-92-1          |
| EC No.       | 231-100-4          |

#### 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); [SU14] Manufacture of basic metals, including alloys; |
| Description | Soldering.   |

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

|                                       |   |
|---------------------------------------|---|
| Company                               | Qualitek Europe Ltd   |
| Address                               | Unit 9 Apex Court<br>Bassendale Road<br>Bromborough<br>Wirral<br>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<br>9.00 am - 5.00 pm Mon -Fri |
|----------------------------|---|

### SECTION 2: Hazards identification

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

|                                      |   |
|--------------------------------------|---|
| 2.1.2. Classification - EC 1272/2008 | Acute Tox. 4: H302+H332; Skin Sens. 1: H317; Acute Tox. 4: H332; Resp. Sens. 1: H334; STOT SE 3: H335; Repr. 1A: H360Df; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
|--------------------------------------|---|

#### 2.2. Label elements

|                   |  |
|-------------------|--|
| Hazard pictograms |  |
| Signal Word       | Danger   |
| Hazard Statement  | Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.<br>Skin Sens. 1: H317 - May cause an allergic skin reaction.<br>Acute Tox. 4: H332 - Harmful if inhaled. |

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## 2.2. Label elements

|  |   |
|--|---|
| <b>Precautionary Statement: Prevention</b> | <p>Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br/>           STOT SE 3: H335 - May cause respiratory irritation.<br/>           Repr. 1A: H360Df - May damage the unborn child. Suspected of damaging fertility.<br/>           STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .<br/>           Aquatic Acute 1: H400 - Very toxic to aquatic life.<br/>           Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>   |
| <b>Precautionary Statement: Response</b>   | <p>P202 - Do not handle until all safety precautions have been read and understood.<br/>           P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br/>           P264 - Wash thoroughly after handling.<br/>           P270 - Do not eat, drink or smoke when using this product.<br/>           P271 - Use only outdoors or in a well-ventilated area.<br/>           P273 - Avoid release to the environment.<br/>           P281 - Use personal protective equipment as required.<br/>           P285 - In case of inadequate ventilation wear respiratory protection.<br/>           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.</p> |
| <b>Precautionary Statement: Storage</b>    | <p>P405 - Store locked up.<br/>           Store in a dry place.</p>   |
| <b>Precautionary Statement: Disposal</b>   | <p>Containers must be recycled in compliance with national legislation and environmental regulations.<br/>           Do not empty into drains; dispose of this material and its container in a safe way.</p>  |
| <b>Further information</b>                 | <p>Warning! Contains lead. Danger of cumulative effects.</p>  |

## 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       |
|--|-----------|------------|-----------|---------------------------|--------------|----------------------|
| Lead                                     |           | 7439-92-1  | 231-100-4 | 01-2119513221-59          | 35-45%       | T; R61 Xn; R22-33-62 |
| Tin                                      |           | 7440-31-5  | 231-141-8 | 01-2119486474-28          | 55-75%       |                      |
| Mod Rosin (Rosin-based solder flux fume) |           | 65997-05-9 | 500-163-2 | 01-2119964093-37          | 1 - 10%      | Xi; R43              |

EC 1272/2008

| Chemical Name                            | Index No. | CAS No.    | EC No.    | REACH Registration Number | Conc. (%w/w) | Classification  |
|--|-----------|------------|-----------|---------------------------|--------------|---|
| Lead                                     |           | 7439-92-1  | 231-100-4 | 01-2119513221-59          | 35-45%       | Acute Tox. 4: H302+H332;<br>Repr. 1A: H360Df; STOT RE 2: H373; Aquatic Chronic 2: H411; |
| Tin                                      |           | 7440-31-5  | 231-141-8 | 01-2119486474-28          | 55-75%       |   |
| Mod Rosin (Rosin-based solder flux fume) |           | 65997-05-9 | 500-163-2 | 01-2119964093-37          | 1 - 10%      | Resp. Sens. 1: H334; STOT SE 3: H335;   |

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | Toxic by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the |
|-------------------|--|

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## 4.1. Description of first aid measures

|              |  |
|--------------|--|
| Eye contact  | respiratory system. Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.  |
| Skin contact | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  |
| Ingestion    | Toxic if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING. |

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|  |  |
|--|--|
|  | Use as appropriate: Carbon dioxide (CO <sub>2</sub> ), Dry chemical, Foam. |
|--|--|

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

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

## 5.3. Advice for firefighters

|  |  |
|--|--|
|  | Wear: Self-contained breathing apparatus. Wear chemical protective clothing. |
|--|--|

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

|  |   |
|--|---|
|  | Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. |
|--|---|

## 6.2. Environmental precautions

|  |                                       |
|--|---------------------------------------|
|  | Do not allow product to enter drains. |
|--|---------------------------------------|

## 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. |
|--|--|

## 7.2. Conditions for safe storage, including any incompatibilities

|  |  |
|--|--|
|  | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. |
|--|--|

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

|  |                                |   |
|--|--------------------------------|---|
| Mod Rosin (Rosin-based solder flux fume) | WEL 8-hr limit ppm: -          | WEL 8-hr limit mg/m <sup>3</sup> : 0.05   |
|  | WEL 15 min limit ppm: -        | WEL 15 min limit mg/m <sup>3</sup> : 0.15 |
| QSW-NC600-SN60-CLP (Lead)                | DIR: 82/605                    | 8hTWA ppm: -                              |
|  | 8hTWA mg/m <sup>3</sup> : 0.15 | STEL ppm: -                               |
|  | STEL mg/m <sup>3</sup> : -     | NOT: -                                    |
|  |                                |   |

## 8.2. Exposure controls

|   |  |
|---|--|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. |
| 8.2.2. Individual protection measures   | Wear protective clothing.                        |
| Eye / face protection                   | Approved safety goggles.                         |

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## 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Skin protection - Handprotection | Chemical resistant gloves (PVC).                       |
| Respiratory protection           | Suitable half mask respirator with filter P3 (EN 143). |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                          |                           |
|--------------------------|---------------------------|
| State                    | Solid                     |
| Colour                   | Grey                      |
| Melting point            | 183 - 190 °C              |
| Boiling point            | 197 °C                    |
| Flash point              | > 115 °C                  |
| Autoignition temperature | > 226 °C                  |
| Solubility               | Slightly soluble in water |

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

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

## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

|           |                        |                             |
|-----------|------------------------|-----------------------------|
| Lead      | Oral Rat LD50: 40mg/gm | Dermal Rabbit LD50: 25mg/gm |
| Mod Rosin | Oral Rat LD50: 4mg/gm  |                             |

## SECTION 12: Ecological information

## 12.1. Toxicity

|           |                              |                           |
|-----------|------------------------------|---------------------------|
| Mod Rosin | Daphnia EC50/48h: 0.009 mg/l | Fish LC50/96h: 0.003 mg/l |
|-----------|------------------------------|---------------------------|

## SECTION 13: Disposal considerations

## General information

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

## SECTION 14: Transport information

## ADR/RID

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

## IMDG

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

## IATA

|  |  |
|--|--|
|  | 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 | This Product is Classified to Regulation 1272/2008/EC(CLP). |
|-------------|---|

## Further information

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

## SECTION 16: Other information

## Other information

|          |  |
|----------|--|
| Revision | This document differs from the previous version in the following areas:<br>2 - 2.1.2. Classification - EC 1272/2008.<br>2 - Precautionary Statement: Disposal. |
|----------|--|

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| Other information                             |  |
|---|--|
| <b>Text of risk phrases in Section 3</b>      | R22 - Harmful if swallowed.<br>R33 - Danger of cumulative effects.<br>R43 - May cause sensitisation by skin contact.<br>R61 - May cause harm to the unborn child.<br>R62 - Possible risk of impaired fertility.  |
| <b>Text of Hazard Statements in Section 3</b> | Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled<br>Repr. 1A: H360Fd - May damage fertility. Suspected of damaging the unborn child.<br>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .<br>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  |
| 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. |