

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Q-302 Flux

Revision 9
Revision date 2023-02-28

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

1.1. Product identifier

| | |
|-------------------------------------|------------------------------|
| Product name | Q-302 Flux |
| Other means of identification / UFI | UFI No. 5XM0-94WA-N10A-T012. |

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

| | |
|-------------|------------|
| 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

| | |
|--------------------------------------|--|
| 2.1.2. Classification - EC 1272/2008 | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |
|--------------------------------------|--|

2.2. Label elements

| | |
|-------------------------------------|---|
| Hazard pictograms |  |
| Signal Word | Danger |
| Hazard Statement | Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. |
| Precautionary Statement: Prevention | [In case of inadequate ventilation] wear respiratory protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. |

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2.2. Label elements

| | |
|--------------------------------------|--|
| Precautionary Statement: Response | P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| | P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. |
| Precautionary Statement: Storage | P403+P233 - Store in a well-ventilated place. Keep container tightly closed. |

2.3. Other hazards

| | |
|---------------|-------|
| Other hazards | None. |
|---------------|-------|

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 |
|---------------------------|--------------|---------|-----------|---------------------------|--------------|--|
| Isopropanol (Propan-2-ol) | 603-117-00-0 | 67-63-0 | 200-661-7 | 01-2119457558-25 | 90 - 100% | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |
| Other(not classified) | | | | | 1 - 10% | STOT SE 3: H335; |

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. Seek medical attention if irritation or symptoms persist. |
| Skin contact | 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. |

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

| | |
|--------------|---|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | May cause irritation to eyes. |
| Skin contact | May cause dermatitis. |
| Ingestion | Seek medical attention. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|--------------|---|
| Inhalation | Coughing, difficulty in breathing and in severe cases, loss of consciousness. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | Avoid prolonged or repeated exposure. |
| Ingestion | DO NOT INDUCE VOMITING. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|--|
| | Carbon oxides. Alcohol resistant foam. |
|--|--|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back. |
|--|---|

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5.3. Advice for firefighters

Self-contained breathing apparatus. Wear protective clothing.

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. Eliminate all sources of ignition. Evacuate personnel to a safe area.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | | | |
|---------------------------|----------------------------|-----|------------------------------|------|
| Isopropanol (Propan-2-ol) | WEL 8-hr limit ppm: | 400 | WEL 8-hr limit mg/m3: | 999 |
| | WEL 15 min limit ppm: | 500 | WEL 15 min limit mg/m3: | 1250 |
| | WEL 8-hr limit mg/m3 total | - | WEL 15 min limit mg/m3 total | - |
| | inhalable dust: | | inhalable dust: | |
| | WEL 8-hr limit mg/m3 total | - | WEL 15 min limit mg/m3 total | - |
| | respirable dust: | | 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 - Handprotection | Chemical resistant gloves (PVC). |
| Respiratory protection | Wear suitable respiratory equipment when necessary. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|--|-----------------------|
| Appearance | Liquid |
| Colour | Clear |
| Odour | Alcoholic |
| Melting point | Not applicable. |
| Freezing Point | Not applicable. |
| Initial boiling point | 81 - 83 °C |
| Flash point | 12 °C |
| Evaporation rate | 1.7 g/min |
| Flammability (solid, gas) | Not applicable. |
| Upper Explosive Limit | 12 % |
| Lower Explosive Limit | 2 % |
| Vapour pressure | 43 Pa |
| Relative Vapour Density | 2.1 g/cm ³ |
| Fat Solubility | Not applicable. |
| Partition coefficient (n-octanol/water) | 0.05 log P oct/wat |
| Autoignition temperature | 425 °C |
| Explosive properties | Not relevant |
| Oxidising properties | No data available |
| Solubility | Miscible 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

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

| | |
|--|-------------------|
| | Oxidising agents. |
|--|-------------------|

10.4. Conditions to avoid

| | |
|--|-------------------------------|
| | Heat, sparks and open flames. |
|--|-------------------------------|

SECTION 11: Toxicological information

11.1.4. Toxicological Information

| | | |
|-------------|---|---|
| Isopropanol | Dermal Rat LD50: 13900 mg/kg Dermal Rabbit LD50: 12870 mg/kg | Oral Rat LD50: 5840 mg/kg Inhalation Rat LC50/4 h: 72.6 mg/L |
|-------------|---|---|

11.2 Information on other hazards

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

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|-------------|---|----------------------------|
| Isopropanol | Algae EC50/120h: >1000 mg/L Lepomis_Macrochirus LC50/96h: >14000000 ug/L | Algae EC50/72h: >1000 mg/L |
|-------------|---|----------------------------|

SECTION 13: Disposal considerations

General information

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General information

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1219

14.2. UN proper shipping name

ISOPROPANOL

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 3 |
| Subsidiary risk | - |
| IMDG | 3 |
| Subsidiary risk | - |
| IATA | 3 |
| Subsidiary risk | - |

14.4. Packing group

Packing group II

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

ADR/RID

| | |
|-----------------|-------|
| Hazard ID | 33 |
| Tunnel Category | (D/E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-E S-D |
|----------|---------|

IATA

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 364 |
| Maximum quantity | 60 L |
| Packing Instruction (Passenger) | 353 |
| Maximum quantity | 5 L |

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

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Other information

| | |
|--|---|
| Revision | This document differs from the previous version in the following areas: 2 - Other hazards. 2 - Hazard pictograms. 11 - 11.2 Information on other hazards. |
| Text of Hazard Statements in Section 3 | Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. |

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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