

Safety Data Sheet

Regulation 1907/2006/EC, Article 31 REACH
Issue Number 2, Revision Date: September 2019
No. of pages 5

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

- 1.1. Product Identifier
Product Name SK F4-8 No Clean Soldering Flux
(RoHS Compliant/Reach Compliant) No SVHC's
- 1.2. Relevant Identified uses of the substance or mixture and uses advised against
Description Soldering Flux. For Industrial Use only.
- 1.3. Details of the supplier of the safety data sheet
Company Solderking Assembly Materials Limited
Address Unit 5D
Carnaby Industrial Estate
Carnaby
Bridlington
East Yorkshire
United Kingdom
YO15 3QY
- Web -
Telephone 01262 363088
Email of competent person info@solderking.com
- 1.4. Emergency telephone number 01262 363088

SECTION 2: Hazards Identification

- 2.1. Classification of the mixture
Main Hazards Flammable Liquid Category 2
Eye irritation: Category 2.
Target organ toxicant (central nervous system): Category 3
- 2.2 Label Elements EC 1272/2008
Classification






Signal Word: Danger

H225: Highly Flammable liquid and vapour
H315: Causes Skin irritation
H318: Causes serious eye damage
H336 May cause drowsiness or dizziness
P210: Keep away from heat/sparks/open flames/hot surfaces-No smoking.
P233: Keep container tightly closed
P243: Use only non sparking tools
P261: Avoid breathing mist/vapours
P280: Wear protective gloves and eye protection.
P301 + P310: If swallowed, immediately call a doctor.
P305+P351+P338: If in EYES, rinse cautiously with water for several minutes.
Remove contact lenses.
P403+P235: Store in a well-ventilated place. Keep cool.
Contains propan-2-ol

- 2.3 Not classified as PBT/vPvB by current EU criteria

SECTION 3: Composition & Information on Ingredients

3.1. This material is defined as a mixture

| Chemical Name | CAS No | EC No. | REACH Registration Number | Conc. (% w/w) | Classification |
|---------------------------|------------|-----------|---------------------------|---------------|--|
| Isopropanol (Propan 2 ol) | 67-63-0 | 200-661-7 | 01-2119457558-25 | 60-100 | Eye irrit.2 H319 Flam. Liq.2 H225 STOT SE 3 H336-   |
| Carboxylic Acid C4-C6 | 68603-87-2 | 271-678-5 | Not available | <10 | Eye Irrit. 2; H319  |

Chemicals not listed are classified as non hazardous or at a concentration below reportable levels.

SECTION 4: First Aid Measures

4.1. Description of first aid measures

| | |
|--------------|--|
| Inhalation | Move the exposed person to fresh air. If not breathing give artificial respiration. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelid open. |
| Skin contact | Wash off immediately with plenty of soap and water. Remove contaminated clothing. |
| Ingestion | Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Consult a doctor as soon as possible. |

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

The most important known effects are described in the labelling.

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

Seek medical attention if any symptoms persist

SECTION 5: Firefighting Measures

5.1. Extinguishing Media

Use extinguishing media appropriate to the surrounding fire conditions
Carbon dioxide (CO₂), Alcohol resistant foam. Powder. Dry chemicals or sand.
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products may include carbon oxides and other toxic gases or vapours.

5.3. Advice for Fire Fighters

Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Fire fighters use self- contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not walk through or touch spilt material. Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Do not allow product to enter drains, soil, waterways and sewers. Prevent further spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Wear necessary protective equipment.

6.4. reference to other sections

See section 2,8,13 for further information

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Precautions for safe storage, including and incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from direct sunlight. Keep away from food and drink.

7.3. Specific end use(s)

Soldering Flux

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Soldering Assembly Materials Limited

| | | |
|---------------------------|---------|--|
| Isopropanol (Propan-2-ol) | 67-63-0 | STEL 500ppm 1,250mg/m ³ UK EH40 WEL-Workplace Exposure limits |
|---------------------------|---------|--|

8.2. Exposure Controls

8.2.1 Appropriate engineering controls

Extraction should be used to reduce exposure. Please use health and safety guidelines to choose suitable extraction.

8.2.2. Individual protection measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use. Ensure that eye wash stations are close to the work area. Wear protective clothing. Disposable vinyl gloves.

Eye/face protection

Use safety goggles where exposure is probable.

Skin / Hand protection

Use suitable protective gloves if risk of skin contact. Nitrile gloves are recommended.

Biological Standards

The material possesses minimal risk to the environment.

Environmental exposure controls

SECTION 9: Information on basic physical and chemical properties

| | |
|--------------------------|--------------------------------|
| State | Liquid |
| Colour | Clear |
| Odour | Alcoholic |
| pH | No data available |
| Specific Gravity | -89.5°C |
| Acid Value | No data available |
| Melting point | No data available |
| Freezing point | <19°C |
| Boiling point | 3.0 |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability limits | No data available |
| Vapour flammability | No data available |
| Vapour pressure | 0.800g/cm ³ at 25°C |
| Vapour density | No data available |
| Relative density | 0.05 |
| Fat solubility | 425°C |
| Partition coefficient | No data available |
| Autoignition temperature | Soluble in water |
| Viscosity | No data available |
| Solubility | |

9.2. Other Information

| | |
|-----------------|-------------------|
| Conductivity | No data available |
| Surface Tension | No data available |
| Gas group | No data available |

SECTION 10: Stability and Reactivity

10.1. Reactivity

No data available on this product

10.2. Stability

10.3. Possibility of Hazardous Reactions

No data available.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible Materials

Strong oxidizing agents

10.6. Hazardous Decomposition Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Inhalation

Fumes generated during use may cause irritation to the respiratory system and should be extracted away from the operator.

Ingestion

| | |
|------------------------|---|
| Skin Contact | Prolonged contact may cause dryness of the skin. May cause skin irritation. |
| Eye contact | Irritating to eyes. |
| Target Organs | Eyes |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |

SECTION 12: Ecological Information

- 12.1. Toxicity
No data available
- 12.2. Persistence and degradability
No data available
- 12.3. Bio accumulative potential – No data available
- 12.4. Mobility in soil
No data available
- 12.5.Results of PBT and vPvB assessment
No data available
- 12.6 Other adverse effects
No data available

SECTION 13: Disposal Considerations

- General Information
Dispose of in compliance with all local and national regulations. Empty containers may contain product residue. The product container must be disposed of in a safe way.
- Disposal methods
Contact a licensed waste disposal company. Avoid dispersal of spilt material and runoff in contact with soil, waterways
- Disposal and Packaging
Do NOT reuse empty containers. Empty containers can be sent for disposal and recycling.

SECTION 14: Transport Information



- Hazard Pictograms
 - Not hazardous for transport
- 14.1. UN Number
 - UN 1219
 - Isopropanol Alcohol (IPA)
- 14.2. UN Proper Shipping Name
 -
- 14.3. Transport Hazard Class
 - 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 hazard 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 60L
 - Packing Instruction (Passenger) 353

SECTION 15: Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Further Information

This product is Reach and RoHS compliant.

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 related 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.

Contact info@solderking.com if you have any questions or queries regarding this product.