

Safety Data Sheet

Regulation 1907/2006/EC, Article 31 REACH
Issue Number 1, Revision Date: January 2019
No. of pages 5

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

1.1. Product Identifier

Product Name SK F3-15 Low Solids 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

Contains Isopropanol Alcohol

Hazard Statements

H225: Highly Flammable liquid and vapour

H315: Causes Skin irritation

H319: Causes serious eye irritation

H336 May cause drowsiness or dizziness

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces-No smoking.

P233: Keep container tightly closed

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

SK F3-15 Low Solids No Clean Flux

| 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 any 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

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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
Use water spray, alcohol resistant foam and dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Carbon oxides

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

Isopropanol (Propan-2-ol) CAS: 67-63-0 STEL 500ppm 1,250mg/m³ TWA 400ppm 999mg/m³ UK EH40 WEL-Workplace Exposure limit

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.

Eye/face protection

Wear protective clothing. Disposable vinyl gloves.

Skin / Hand protection

Use safety goggles where exposure is probable.

Biological Standards

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

Environmental exposure controls

The material possesses minimal risk to the environment.

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 |
| Maximum quantity | 5L |

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.