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

Isopropanol (Propan-2-ol)	67-63-0	STEL 500ppm 1,250mg/m³ 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	-89.5ºC
Acid Value	No data available
Melting point	No data available
Freezing point	<19ºC
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/cm³ at 25ºC
Vapour density	No data available
Relative density	0.05
Fat solubility	425ºC
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
Ingestion	should be extracted away from the operator.

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.