

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier.**

Trade name: iFixit No-Clean Flux

Article Number: IF145-581-1

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

Product use: Soldering Flux

Uses advised against: None known

1.3 Details of the supplier of the safety data sheet:

Company: iFixit GmbH
Sigmaringer Straße 260,
70597 Stuttgart, Germany
+49 157 805 408 05
compliance@ifixit.com
www.ifixit.com

1.4 Emergency telephone number

Germany Poison Center:
Poison Information Center Freiburg
Breisacher Straße 86 b
79110 Freiburg
Emergency telephone +49 (0) 761 19240

SECTION 2: Hazards identifications**2.1 Classification of the substance or mixture according to REGULATION (EC) No 1272/2008 (CLP)**

Hazard class	Hazard category	Hazard statement
Skin Sens.	1B	H317: May cause an allergic skin reaction
Chronic Aquatic Tox.	4	H413: May cause long lasting harmful effects to aquatic life.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Signal word: Warning

Contains: Rosin

Hazard statements: H317: May cause an allergic skin reaction
H413: May cause long lasting harmful effects to aquatic life.

Precautionary Statements: P261: Avoid breathing dust.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P321: Specific treatment see this container label.
P362+P364: Take off contaminated clothing and wash it before reuse.
P363: Wash contaminated clothing before reuse.
P501: Dispose of contents/container to licensed treatment, storage, and disposal facility (TSDF).

Special labelling:

2.3 Other hazards

No vPvB substance
No PBT substance
No substance with endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

This product is a mixture

3.2 Mixtures:

CAS/EC No	Index No.	REACH Registration No.	% Weight	Substance name	Classification according to Regulation (EC) No 1278/2008 (CLP)
8050-09-7	650-015-00-7	Exempted	25-50%	Rosin	Skin Sens. 1B H317 Eye Irrit. 2 H319 STOT SE 3 H336
NA	NA	Exempted	1-10%	Proprietary Ingredients	Chronic Aq. Tx. 4 H413
NA	NA	Exempted	1-10%	Proprietary Ingredients	NA
NA	NA	Exempted	1-10%	Proprietary	NA

				Ingredients (Synthesis regulators activators)	
--	--	--	--	--	--

SECTION 4: First aid measures**4.1 Description of first aid measures.****Inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact:

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact:

Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 30 minutes lifting upper and lower lids, occasionally. Remove contact lenses if present and easy to do. Seek medical attention.

Ingestion:

If ingested, DO NOT INDUCE VOMITING. Contact the nearest poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

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

Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches, and nausea.

Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis.

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Fire fighting measures**5.1 Extinguishing media:**

Water, Foam, CO₂, Dry Chemical, Halon (if permitted). Use extinguishing agents for surrounding fire.

Unsuitable extinguishing media:

Water jet

5.2 Special Hazards arising from the substance or mixture:

This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO₂)

5.3 Advice for firefighters:

Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Evacuate personnel to a safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

6.2 Environmental precautions:

Prevent entry into sewers, water courses, basements, or confined areas.

6.3 Methods and material for containment and cleaning up:

Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container.

6.4 Reference to other sections:

See section 8 for information on personal protection equipment. See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:**Precautions for safe handling**

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapors or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities:

Store between the following temperatures: 5 to 40°C (41 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s):

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters - Occupational exposure limits:**

Substance	CAS No.	Occupational Exposure Limit
Rosin	8050-09-7	Not Found
Proprietary Ingredients	NA	3 ppm (TWA)
Proprietary Ingredients	NA	3 ppm (TWA)
Proprietary Ingredients (Synthesis Regulators) - Activators	NA	Not Found

8.2 Exposure controls.**Engineering controls:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or

other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:

- European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy)
- European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)
- European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Personal protective equipment:

Eye/Face protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Respiratory protection:

No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

Measures to avoid environmental exposure:

No special precautions are necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Physical state:	Liquid (paste)
Colour:	Amber
Odour:	Solvent-like odor
Melting point/freezing point:	10°C (50°F)
Boiling point:	NA
Flammability:	Data not available.
Lower and upper explosion limit:	Data not available.
Flash point:	127.22°C (261°F) CC
Auto-ignition temperature:	Data not available.
Decomposition temperature:	Data not available.
pH:	Data not available.
Kinematic viscosity:	Data not available.
Solubility:	Very slightly soluble in cold water
Partition coefficient n-octanol/water:	Data not available.
Vapour pressure:	Data not available.
Density and/or relative density:	Data not available.
Relative vapour density:	Data not available.
Particle characteristics:	Data not available.

9.2 Other information:

VOC: 3.6% w/w; 2.568g/L

SECTION 10: Stability and reactivity**10.1 Reactivity:**

No dangerous reaction known under conditions of normal use and storage.

10.2 Chemical stability:

	Stable under normal conditions; unstable with heat or contamination.
10.3 Possibility of hazardous reactions:	
	Will not occur under normal conditions of storage.
10.4 Conditions to avoid:	
	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5 Incompatible materials:	
	Avoid extreme heat and ignition sources. Store away from oxidizing materials, acids, and alkalis.
10.6 Hazardous decomposition products:	
	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.

Acute toxicity:	Moderate irritation to eyes and skin near affected areas.
Skin corrosion/irritation:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
Serious eye damage/irritation:	This product is not reported to produce serious eye damage/irritation effects in humans
Respiratory or skin sensitisation:	This material may aggravate any pre-existing skin condition (e.g., dermatitis). Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Germ cell mutagenicity:	This product is not reported to produce mutagenic effects in humans
Carcinogenicity:	This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov .
Reproductive toxicity:	This product is not reported to produce reproductive toxicity in humans.
Specific target organ toxicity - single exposure:	This product is not reported to produce Specific target organ toxicity - single exposure in humans.
Specific target organ toxicity – repeated exposure:	This product is not reported to produce Specific target organ toxicity – repeated exposure in humans.
Aspiration hazard:	This product is not reported to produce aspiration hazard effects in humans

11.2 Information on other hazards:

Endocrine disrupting properties:

This product is not reported to produce endocrine disrupting effects in humans

Other information:

NA

SECTION 12: Ecological information**12.1 Toxicity:**

No data available

12.2 Persistence and degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Result of PBT and vPvB assessment:

No data available

12.6 Endocrine disrupting properties:

No data available

12.7 Other adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations**13.1 Waste treatment methods:****Waste treatment-relevant information:**

Solvent reclamation/regeneration.

Sewage disposal-relevant information:

Do not empty into drains. Avoid release to the environment. Do not allow the product to reach the sewage system. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Products covered by this SDS, in their original form, when disposed of as waste, are considered non-hazardous waste. Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations.

Remarks:

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not Regulated	Not Regulated
14.2 UN proper shipping name	Not Regulated	Not Regulated
14.3 Transport hazard class(es)	Not Regulated	Not Regulated
14.4 Packing group	Not Regulated	Not Regulated
14.5 Environmental hazards – MP EmS:	Not Regulated	Not Regulated
Other informations	Not Regulated	Not Regulated
14.6 Special precautions for user:	NA	
14.7 Maritime transport in bulk according to IMO instruments:	NA	

SECTION 15: Regulatory information

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

Sources:

REACH Annex XVII (Restriction List):

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List):

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC):

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent):

Not applicable.

POP Regulation (Persistent Organic Pollutants):

Not applicable.

Ozone Regulation (1005/2009):

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Explosives Precursors Regulation (2019/1148):

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004):

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2 Chemical safety assessment:

No additional information available

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3:

Skin Sensitizer 1B	Skin Sensitizer, Category 1B
Chronic Aq. Tox. 4	Chronic Aquatic Toxicity, Category 4
H317	May cause an allergic skin reaction
H413	May cause long lasting harmful effects to aquatic life

Additional information:

WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE. Avoid breathing dust. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs get medical advice/attention. Specific treatments see this container label. Take off contaminated clothing and wash it before reuse. If eye irritation persists: Get medical advice/attention. **KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.**