

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

### 1.1 Product identifier

#### Identification on the label/Trade name

##### label designation/Name of product

ELECTRONIC FLUX, No. T0051383199; Quickflux, No. T0051383799

##### Other means of identification

SDS-09

Trade name/designation Weller ELECTRONIC FLUX / Quickflux

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

#### Relevant identified uses

##### Sector of uses [SU]

fluxing agent; Flussmittel

### 1.3 Details of the supplier of the safety data sheet

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Weller Tools GmbH

Carl-Benz-Straße 2

Germany-74354 Besigheim

P.O. Box:

Telephone: +49 7143 580-0

Telefax: +49 7143 580-108

E-mail: info@weller-tools.com

Dept. responsible for information: environmental department

Information telephone: +49 7143 580-101

Information telefax: +49 7143 580-108

Emergency telephone number: GIZ Mainz +49 6131 - 19240 (language - german, english, french)

### 1.4 Emergency telephone number

No data available

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or 1999/45/EC

##### Categories of danger

F; R11

Xi; R36

R67

##### R-phrases

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

##### Health hazards:

###### health hazards

Eye Irrit. 2

###### hazard statements for health hazards

H319 Causes serious eye irritation.

###### health hazards

STOT SE 3

###### hazard statements for health hazards

H336 May cause drowsiness or dizziness.

##### Physical hazards:

###### Physical hazards

Flam. Liq. 2

###### hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

### 2.2 Label elements

#### Labelling (67/548/EEC or 1999/45/EC)

#### Hazard symbols and hazard statements of dangerous substances and preparations

F Highly flammable

Xi Irritant

## R-phrases

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

## S-phrases

S2 Keep out of the reach of children.

S16 Keep away from sources of ignition. - No smoking.

S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

S29 Do not empty into drains.

S46 If swallowed, seek medical advice immediately and show this container or label.

S56 Dispose of this material and its container to hazardous or special waste collection point.

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

### Hazard pictograms



GHS02

GHS07

### Signal word

Danger

### Hazard Statements:

#### Hazard statements for physical hazards:

H225 Highly flammable liquid and vapour.

#### Hazard statements for health hazards:

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary Statements:

#### General:

P102 Keep out of reach of children.

#### Prevention:

P233 Keep container tightly closed.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Response:

P301 IF SWALLOWED:

P313 Get medical advice/attention.

#### Storage:

P403 Store in a well-ventilated place.

#### Disposal:

P501.1 Dispose of contents/container to industrial incineration plant.

### Product identifiers

Propan-2-ol

### Special rules on packaging

Tactile warning according to EN/ISO 11683.

### 2.3 Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.1/3.2 Preparation related information

#### Description

Alcoholic Solution of the following ingredients / Alkoholische Lösung aus folgenden Inhaltsstoffen:

#### Hazardous ingredients

propan-2-ol

>=75 - <=85 %

CAS 67-63-0

EC 200-661-7

INDEX 603-117-00-0

F R11; Xi R36; R67

Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336

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2-methylpentane-2,4-diol CAS 107-41-5 EC 203-489-0 INDEX 603-053-00-3 Xi R36/38 Skin Irrit. 2, H315 / Eye Irrit. 2, H319	<2,5 %
Succinic-acid / Bernsteinsäure CAS 110-15-6 EC 203-740-4 Xi; R36	<2,5 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest.

#### Following skin contact

In case of skin irritation, seek medical treatment. After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

#### After ingestion

Do not induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No data available

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

No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. Dry sand. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Special hazard resulting from the substance, its combustion products or resulting gases: / Im Brandfall können entstehen: Can form explosive gas-air mixtures. Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire: Carbon monoxide and carbon dioxide. / Behälter kann unter Hitze einwirkung explodieren. Dämpfe sind schwerer als Luft und können sich in tiefergelegenen Bereichen sammeln. Dämpfe können sich entzünden. Dämpfe wirken betäubend.

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters:

In case of fire: Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Personal precautions

Remove all sources of ignition. Vapours are heavier than air and will spread at floor level.

### 6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

### 6.3 Methods and material for containment and cleaning up

No data available

### 6.4 Reference to other sections

No data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

#### Measures to prevent fire

Keep away from sources of ignition - No smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Ensure adequate ventilation of the storage area.

#### Further information on storage conditions

heat. UV-radiation/sunlight. Keep locked up. Keep container tightly closed in a cool, well-ventilated place.

### 7.3 Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
67-63-0	Propan-2-ol	999 mg/m <sup>3</sup> 400 ppm	1250 mg/m <sup>3</sup> 500 ppm	
107-41-5	2-Methylpentane-2,4-diol	123 mg/m <sup>3</sup> 25 ppm	123 mg/m <sup>3</sup> 25 ppm	Great Britain (UK)
				Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

### 8.2 Exposure controls

#### Appropriate engineering controls

#### Technical measures to prevent exposure

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

#### Personal protection equipment

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

#### Physical state

liquid

#### Colour

amber coloured

#### Odour

Isopropyl alcohol.

	parameter	Method - source - remark
pH	ca.3,9	
Melting point/freezing point		No data available
Initial boiling point and boiling range	ca.82 °C	
Flash point (°C)	13 °C	
Evaporation rate		No data available
Flammable solids		No data available
Flammable aerosols		No data available
Upper explosion limit (Vol-%)	12 Vol-%	
Lower explosion limit (Vol-%)	2 Vol-%	
Vapour pressure	43 hPa	
Density	0,81 g/cm <sup>3</sup> at °C: 20 °C	

parameter	Method - source - remark
Vapour density	No data available
Fat solubility (g/L)	No data available
Water solubility (g/L)	partially miscible
Soluble (g/L) in	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature 300 °C	
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Explosives	No data available
Oxidising gases	No data available
Oxidising liquids	No data available
Oxidising solids	No data available

## 9.2 Other safety information

**Solid content (%)** 13,1 %

**Solvent content (%)** 85 %

### remark

VOC (EU) 85%

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No data available

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Gas/vapour, highly flammable.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute dermal toxicity

**Acute toxicity, dermal** 12800 mg/kg

##### Effective dose

LD50:

##### Species:

Rabbit.

**Acute inhalation toxicity (vapour)** propan-2-ol

**Acute inhalation toxicity (vapour)** 30 mg/l

##### Effective dose

LC50:

**Exposure time** 4 h

##### Species:

Ratte.

##### Acute oral toxicity

**Acute toxicity, oral** 5045 mg/kg

##### Effective dose

LD50:

**Species:**

Rat.

**skin corrosion/irritation**

**Skin corrosion**

**Result / evaluation**

irritant.

**Eye damage/irritation**

**Result / evaluation**

irritant.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Effects in sewage plants**

**evaluation**

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

**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 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Appropriate disposal / Product**

**Appropriate disposal/Product:**

Entsorgung gemäß Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG). Waste disposal according to official state regulations.

**Waste code packaging** 140603

**Waste requires special monitoring:** Yes.

**Waste name**

andere Lösemittel und Lösemittelgemische

**Waste code product** 140603

**Waste requires special monitoring:** Yes.

**Waste name**

andere Lösemittel und Lösemittelgemische

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1219	1219	1219
14.2 Proper Shipping Name	ISOPROPANOL	ISOPROPANOL	Isopropyl alcohol
14.3 Class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 ENVIRONMENTALLY HAZARDOUS	No	No	No
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable	not applicable

**Additional information - Land transport (ADR/RID)**

**Hazard label(s)** 3

**Limited quantity (LQ)** 1 L

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**Hazard identification number (Kemler No.)** 33  
**tunnel restriction code** D/E  
**transport category** 2

**remark - Land transport (ADR/RID)**

1219 ISOPROPANOL (ISOPROPYLALKOHOL), Gemisch

1219 ISOPROPANOL (ISOPROPYL ALCOHOL), mixture

**remark - Sea transport (IMDG)**

Klasse 3 Entzündbare flüssige Stoffe

Class 3 Flammable liquids

EMS-No.: F-E, S-D

## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

#### Technische Anleitung Luft (TA-Luft)

**weight fraction in %** >=25 - <=100 % by weight

#### remark

Keine Zuordnung zu den Klassen I, II und III.

#### Water hazard class (WGK)

schwach wassergefährdend (WGK 1)

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16: Other information

### Key literature references and sources for data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.