

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

### 1.1 Product identifier

**Trade name/designation** Weller QUICKFLUX

**Identification on the label/Trade name**

**label designation/Name of product**

QUICKFLUX, No. T0051383799

**Other means of identification**

SDS-39

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

**Relevant identified uses**

**Sector of uses [SU]**

FLUXING AGENT / FLUSSMITTEL / ELECTRONIC FLUX

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

**Supplier**

Weller Tools GmbH

Carl-Benz-Straße 2

Germany-74354 Besigheim

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

### 1.4 Emergency telephone number

GIZ Mainz +49 6131 - 19240 (language - german, english, french)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

**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**

H335 May cause respiratory irritation.

**health hazards**

Skin Irrit. 2

**hazard statements for health hazards**

H315 Causes skin irritation.

**Physical hazards**

Flam. Liq. 2

**hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

### 2.2 Label elements

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

**Hazard pictograms**



GHS02

**Signal word**

Danger



GHS07



GHS08

**Hazard statements**

**Hazard statements for physical hazards:**

H225 Highly flammable liquid and vapour.

## **hazard statements for health hazards**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

## **Precautionary statements**

### **General:**

P102 Keep out of reach of children.

### **Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P242 Use only non-sparking tools.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### **Response:**

P362 Take off contaminated clothing.  
P302 + P352 IF ON SKIN: Wash with plenty of water/.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P312 Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt/ anrufen.

### **Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### **Disposal:**

P501 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**

## **Adverse human health effects and symptoms**

May cause sensitisation especially in sensitive humans.

## **Adverse physicochemical effects**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

## **Other adverse effects**

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation. Processing vapours can irritate the respiratory tracts, skin and eyes.

## **SECTION 3: Composition / information on ingredients**

### **3.1/3.2 Substances/Mixtures**

#### **Description**

Mixture / Mélange / Gemisch

#### **Hazardous ingredients**

propan-2-ol	>=70 - <=75 %
CAS 67-63-0	
EC 200-661-7	
INDEX 603-117-00-0	
Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336	
colophony	>=25 - <=30 %
CAS 8050-09-7	
EC 232-475-7	
INDEX 650-015-00-7	
Skin Sens. 1, H317	

## 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 flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

#### 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. Rinse mouth thoroughly with water.

### 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.

#### Unsuitable extinguishing media

High power water jet.

Water

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

#### Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

### 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

Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Use personal protection equipment.

#### For emergency responders

##### Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

#### For containment

##### Suitable material for taking up:

Sand

Universal binder

### 6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on general occupational hygiene

Avoid contact with skin, eyes and clothes.

## Protective measures

### Measures to prevent fire

Keep away from sources of ignition - No smoking.

The product is:

Highly flammable

### 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.

#### Hints on joint storage

#### Storage class

Flammable liquids

#### Further information on storage conditions

Keep locked up. Keep container tightly closed and in a well-ventilated place.

Protect against:

Heat

UV-radiation/sunlight

#### storage stability

Maximum storage period (time) 1 A

### 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	
				Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

### 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

##### Eye/face protection

##### Suitable eye protection:

Eye glasses with side protection

##### Skin protection

##### Suitable gloves type:

Disposable gloves

##### Suitable material:

PVC (Polyvinyl chloride)

#### Recommended glove articles

##### DIN-/EN-Norms:

DIN EN 374

#### Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

#### Physical state

liquid

#### Colour

amber coloured

## Odour

like:

Alcohol

	parameter	Method - source - remark
pH		not determined
Melting point/freezing point		not determined
Initial boiling point and boiling range	ca.82 °C	
Flash point (°C)	13 °C	
Evaporation rate		not determined
flammability		not determined
Upper explosion limit	12 Vol-%	
lower explosion limit	2 Vol-%	
Vapour pressure	0,01 mbar	
Vapour density		not determined
Relative density	0,925 g/cm <sup>3</sup>	Temperature 20 °C
Fat solubility (g/L)		not determined
Water solubility (g/L)		partially miscible
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined

## 9.2 Other information

### Solvent content (%)

**Value** ca.73 %

### Solid content (%)

**Value** 27 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

Carbon dioxide

Carbon monoxide

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Acute inhalation toxicity (vapour)

**ingredient** propan-2-ol

**Acute inhalation toxicity (vapour)** 5 - 50 mg/L

#### Effective dose

LC50:

**Exposure time** 4 h

**Species:**

Rat

**Acute oral toxicity** 50 - 2000 mg/kg

**Effective dose**

LD50:

**Species:**

Rat

**skin corrosion/irritation**

**Result / evaluation**

irritant.

**Serious eye damage/irritation**

**Assessment/classification**

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 information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

Waste disposal according to official state regulations.

**Waste code packaging** 140603

**hazardous waste** Yes.

#### Waste name

other solvents and solvent mixtures

**Waste code product** 140603

**hazardous waste** Yes.

#### Waste name

other solvents and solvent mixtures

## 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)

<b>Hazard label(s)</b>	3
<b>Classification code</b>	F1
<b>Limited quantity (LQ)</b>	1 L
<b>Hazard identification number (Kemler No.)</b>	33
<b>tunnel restriction code</b>	D/E
<b>transport category</b>	2
<b>remark</b>	Mixture / Mélange / Gemisch

### remark

1219 ISOPROPANOL (ISOPROPYLALKOHOL), Gemisch  
1219 ISOPROPANOL (ISOPROPYL ALCOHOL), mixture

## Additional information - Sea transport (IMDG)

<b>Marine pollutant</b>	No
<b>remark</b>	EMS-No.: F-E, S-D

### remark

Klasse 3 Entzündbare flüssige Stoffe  
Class 3 Flammable liquids  
EMS-No.: F-E, S-D

## Additional information - Air transport (ICAO-TI / IATA-DGR)

<b>Limited quantity (LQ)</b>	1
<b>remark</b>	Mixture

## SECTION 15: Regulatory information

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

#### EU legislation

#### Authorisations and/or restrictions on use

#### Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

#### Other regulations (EU)

### Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

#### Classification according to Annex I, Part 1

P5c Flammable liquids

### 15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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**Relevant R-, H- and EUH-phrases (Number and full text)**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**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.