

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

### remark

Art. 31 and 2020/878/EU

### 1.1 Product identifier

**Trade name/designation** Weller Pyropen Refill, 75 ml / 42g

### Identification on the label/Trade name

#### label designation/Name of product

PYROPEN REFILL / PYROPEN SOLDERING IRON WITH GAS

**Article no. (user):** No. T00516160 99\_49 / T0051605999 [UFI: 5JK0-G0US-500S-Q60P]

### Other means of identification

SDS-01

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

#### Relevant identified uses

##### remark

burning gas / Brenngas / gaz combustibile / gas combustibile / O gás combustível / brandstof gas / bränslegas / braendselsgas / brenngass / polttoaine kaas / paliwo gazowe / küttegaasi / deggazes / Kuro dujos / vykurovací plyn / gorivo plin / gaz

### 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

Department 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 (German, English, French)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

#### Physical hazards

Flam. Gas 1A

#### hazard statements for physical hazards

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

### 2.2 Label elements

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

#### Hazard components for labelling

Labelling for content <125ml

#### Hazard pictograms



GHS02

#### Signal word

Danger

#### Hazard statements

##### Hazard statements for physical hazards

H220 Extremely flammable gas.

#### Precautionary statements

##### General:

P102 Keep out of reach of children.

##### Prevention

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

## Response:

P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

P381 In case of leakage, eliminate all ignition sources.

## Storage:

P403 Store in a well-ventilated place.

## 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 Substances/Mixtures

#### Description

mixture / Gemisch / mélange / mezcla / mistura / mengsel / Blandning / Blanding / seos / mieszanina / segu / maisijums / misinys / zmes / mesanica / karisim

#### Hazardous ingredients

propane

>10 - <25 %

CAS 74-98-6

EC 200-827-9

INDEX 601-003-00-5

REACHNo 01-2119486944-21

Flam. Gas 1, H220

isobutane

>=25 - <=50 %

CAS 75-28-5

EC 200-857-2

INDEX 601-004-00-0

REACHNo 01-2119485395-27

Flam. Gas 1, H220

butane

>=50 - <=100 %

CAS 106-97-8

EC 203-448-7

INDEX 601-004-00-0

REACHNo 01-2119474691-32

Flam. Gas 1, H220

#### Additional information

Isobutane & Butane (<0.1% Butadien)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### Following skin contact

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.

### 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

#### Additional information

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers.

### 5.1 Extinguishing media

#### Suitable extinguishing media

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

Extinguishing powder

alcohol resistant foam

Water spray jet

## Unsuitable extinguishing media

Full water jet

## 5.2 Special hazards arising from the substance or mixture

No data available

## 5.3 Advice for firefighters

### Special protective equipment for firefighters

Wear full chemical protective clothing.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

#### Emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety.

\*

#### For emergency responders

#### Personal protection equipment

Use appropriate respiratory protection.

### 6.2 Environmental precautions

No special environmental measures are necessary.

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

No data available

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

#### Advices on safe handling

After use replace the closing cap immediately.

\*

#### Measures to prevent fire

Keep away from sources of ignition - No smoking. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Do not spray on naked flames or any incandescent material. Handle with care - avoid bumps, friction and impact.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on joint storage

#### Materials to avoid

Oxidizing agent

Do not store together with:

Oxidising agent

#### Storage class

Aerosol dispensers and lighters

#### Storage class

2B

#### Further information on storage conditions

Protect against:

Heat

UV-radiation/sunlight

### 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
106-97-8	n-Butane	1450 mg/m <sup>3</sup> 600 ppm	1810 mg/m <sup>3</sup> 750 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

### Personal protection equipment

#### Eye/face protection

##### remark

Eye protection: not required.

#### Skin protection

##### Suitable material:

NBR (Nitrile rubber)

EN374

##### Required properties:

gas-tight

**Breakthrough time:** >480 min

##### remark

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

#### Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

#### Environmental exposure controls

##### remark

See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

##### Physical state

Gas:

compressed gas

##### Colour

colourless

##### Odour

SULPHUR

##### Odour threshold:

not determined

	parameter	Method - source - remark
Melting point/freezing point		not determined
Boiling point or initial boiling point and boiling range	-44 °C	
flammability		not determined
Upper explosion limit	10,9 Vol-%	
lower explosion limit	1,5 Vol-%	
Flash point (°C)	-97 °C	
Auto-ignition temperature	365 °C	
Decomposition temperature		not determined
pH		not determined
Kinematic viscosity		not determined
Water solubility		insoluble Immiscible
Soluble (g/L) in		not determined
Fat solubility		not determined

parameter	Method - source - remark
Partition coefficient: n-octanol/water	not determined
Vapour pressure	not determined
Vapour pressure	Druck / Pressure / Pression (20°C): 2 - 3,5 bar
Density and/or relative density ca.0,56 g/cm <sup>3</sup> Temperature 20 °C	
Relative vapour density	not determined
particle characteristics	not determined

## 9.2 Other information

### Solvent content

**Value** 0 %

**remark**

VOC (EU) 100%

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This information is not available.

### 10.2 Chemical stability

This information is not available.

### 10.3 Possibility of hazardous reactions

This information is not available.

### 10.4 Conditions to avoid

Avoid high temperatures or direct sunlight. Further information on proper storage: see section 7.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### Additional information

\*

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

#### Toxicokinetics, metabolism and distribution

#### Non-human toxicological data

**remark**

There are no data available on the preparation/mixture itself.

#### Acute toxicity

##### Acute inhalation toxicity (gas)

**ingredient** butane

**Acute inhalation toxicity (gas)** 658 mg/L

**Effective dose**

LC50:

**Exposure time** 4 h

**Species:**

Rat

**ingredient** isobutane

**Acute inhalation toxicity (gas)** >20 mg/L

**Effective dose**

LC50:

**Exposure time** 4 h

**Species:**

Rat

**ingredient** propane

**Acute inhalation toxicity (gas)** >20 mg/L

**Effective dose**

LC50:

**Exposure time** 4 h

**Species:**

Rat

**ingredient** propane

**Acute inhalation toxicity (gas)** 1443 mg/L

**Effective dose**

LC50:

**Exposure time** 15 min

**Species:**

Rat

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Overall Assessment on CMR properties

This information is not available.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

**remark**

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Assessment/classification

No data available

### 12.2 Persistence and degradability

#### Assessment/classification

This information is not available.

### 12.3 Bioaccumulative potential

#### Assessment/classification

This information is not available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Endocrine disrupting properties

**remark**

This product contains a substance that has endocrine disrupting properties with respect to non-target organisms.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**remark**

Completely emptied packages can be recycled. Recycle according to official regulations.

\*

### Directive 2008/98/EC (Waste Framework Directive)

#### After intended use

**Waste code packaging** 160500

**hazardous waste** No

**Waste name**

gases in pressure containers and discarded chemicals

**Waste code packaging** 160000

**hazardous waste** No

**Waste name**

WASTES NOT OTHERWISE SPECIFIED IN THE LIST

**Waste code packaging** 160505

**hazardous waste** No

**Waste name**

gases in pressure containers other than those mentioned in 16 05 04

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	2037	2037	2037
14.2 Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS	RECEPTACLES, SMALL, CONTAINING GAS	Receptacles, small, containing gas
14.3 Class(es)	2	2.1	2.1
14.4 Packing group			
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Maritime transport in bulk according to IMO instruments	not applicable	not applicable	not applicable

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

<b>Hazard label(s)</b>	2.1
<b>Classification code</b>	5F
<b>Limited quantity (LQ)</b>	1 L
<b>tunnel restriction code</b>	D
<b>transport category</b>	2

#### remark

Transport as "limited quantity" according to chapter 3.4 ADR/RID

### Additional information - Sea transport (IMDG)

<b>Marine pollutant</b>	No
<b>Segregation group</b>	B / SW2 Clear of living quarters
<b>remark</b>	EMS-No.: F-D,S-U

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

<b>Limited quantity (LQ)</b>	1
------------------------------	---

#### Special precautions for user

Sea transport (IMDG)  
Limited Quantities (LQ) 120 ml

## 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). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

##### Other regulations (EU)

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

##### Hazard categories

P2 Flammable gases

##### Named dangerous substances

none

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

### Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

### Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

### Indication of changes

\* Data changed compared with the previous version

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

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.