

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

### remark

According Art. 31 amendments - No 1272/2008/EC, 453/2010/EC, 830/2015/EC

### 1.1 Product identifier

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

**Unique Formula Identifier** UFI: 5JK0-G0US-500S-Q60P

### 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 / T00516160 90

#### Other means of identification

SDS-01 UK

### 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 kaasu / paliwo gazowe / küttegaasi / deggazes / Kuro dujos / vykurovacı plyn / gorivo plin / gaz /  
éghető gáz / εύφλεκτο αέριο

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

#### Importer/Only Representative

Apex Tool Group UK Ltd; C/O TMF Group

13th Floor, One Angel Court

Vereinigtes Königreich-EC2R 7HJ London

Telephone: +44 7408836404

E-mail: UKCustomer-Service@ApexToolGroup.com

#### 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

+44 740 8836 404

Supplier: Transfer Multisort Elektronik Ltd.

Colehill, Birmingham Colehill House Suite 1C, 1 Station Road

+44 1675790026 e-mail: office@tme-uk.eu

## 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

\*

#### Hazard pictograms



GHS02  
**Signal word**  
Danger

## Hazard statements

### Hazard statements for physical hazards

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

## 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.

P251 Do not pierce or burn, even after use.

### 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.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

## Special rules on packaging

Tactile warning according to EN/ISO 11683.

Labelling for content <125ml (container itself): does not show notes H280; P251; P410+P412

## 2.3 Other hazards

No data available

## SECTION 3: Composition / information on ingredients

### 3.1 Substances (not applicable)

### 3.2 Mixtures

#### Description

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

#### 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-%  |                          |

| parameter                              |               | Method - source - remark                           |
|----------------------------------------|---------------|----------------------------------------------------|
| Flash point (°C)                       | -97 °C        |                                                    |
| Auto-ignition temperature              | 365 °C        |                                                    |
| Decomposition temperature              |               | not determined                                     |
| pH                                     |               | not determined                                     |
| Kinematic viscosity                    |               | not determined                                     |
| Water solubility                       |               | insoluble<br>Immiscible                            |
| Soluble (g/L) in                       |               | not determined                                     |
| Fat solubility                         |               | not determined                                     |
| Partition coefficient: n-octanol/water |               | not determined                                     |
| Vapour pressure                        |               | not determined                                     |
| Vapour pressure                        |               | Druck / Pressure / Pression<br>(20°C): 2 - 3,5 bar |
| Density and/or relative density        | ca.0,56 g/cm³ | 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

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

#### Toxicokinetics, metabolism and distribution

#### Non-human toxikological 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,<br>CONTAINING GAS | RECEPTACLES, SMALL,<br>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<br>according to IMO instruments | not applicable                        | not applicable                        | not applicable                     |

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

**Hazard label(s)** 2.1

**Classification code** 5F

**Limited quantity (LQ)** 1 L

**tunnel restriction code** D

**transport category** 2

**remark**

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

### Additional information - Sea transport (IMDG)

**Marine pollutant** No

**Segregation group** B / SW2 Clear of living quarters

**remark** EMS-No.: F-D,S-U

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

**Limited quantity (LQ)** 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)

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**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

20250320: Sect. 2.2, 16

**Additional information**

Follow the instructions for use on the label.

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

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.