

## 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

Pyropen Refill

#### Other means of identification

SDS-01

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

**Article no. (user):** No. T005 16 160 99 / 49

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

#### Relevant identified uses

##### Identified uses:

burning gas / Brenngas / gaz combustibile / gas combustibile / O gás combustivel / brandstof gas / bränslegas / braendselsgas / brenngass / polttoaine kaasu / paliwo gazowe / küttegaasi / deggazes / Kuro dujos / vykurovacı plyn / gorivo plin / gaz

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

#### Physical hazards:

##### Physical hazards

Flam. Gas 1

##### hazard statements for physical hazards

H220 Extremely flammable gas.

##### hazard statements for physical hazards

H280 Contains gas under pressure; may explode if heated.

### 2.2 Label elements

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

#### 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 Eliminate all ignition sources if safe to do so.

**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 for supplemental label elements for certain mixtures**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

**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 Mixture related information**

**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

Flam. Gas 1, H220

isobutane >=25 - <=50 %

CAS 75-28-5

EC 200-857-2

INDEX 601-004-00-0

Flam. Gas 1, H220

butane >=50 - <=100 %

CAS 106-97-8

EC 203-448-7

INDEX 601-004-00-0

Flam. Gas 1, H220

**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**

Provide fresh air. In case of irritation of the respiratory tract seek medical advice.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap.

**After eye contact**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently 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**

In case of fire and/or explosion do not breathe fumes. Use water spray/stream to protect personnel and to cool endangered containers.

**5.1 Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

High power water jet.

## 5.2 Special hazards arising from the substance or mixture

No data available

## 5.3 Advice for firefighters

No data available

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

##### Personal precautions

Provide adequate ventilation. Remove all sources of ignition.

##### 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

No data available

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

##### Advices on safe handling

Do not spray on naked flames or any incandescent material. After use replace the closing cap immediately.

##### Measures to prevent fire

Keep away from sources of ignition - No smoking. Keep away from heat sources (e.g. hot surfaces), sparks and open flames. Handle with care - avoid bumps, friction and impact.

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

#### Hints on joint storage

##### Materials to avoid

Do not store together with:

Oxidizing agents.

##### Further information on storage conditions

Heating causes rise in pressure with risk of bursting. Keep in a cool, well-ventilated place.

Protect against:

heat. UV-radiation/sunlight.

Do not store at temperatures above

Short-term maximum storage temperature permitted:

### 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	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

### 8.2 Exposure controls

#### Appropriate engineering controls

##### Technical measures to prevent exposure

refer to chapter 7. No further action is necessary.

#### Personal protection equipment

##### Respiratory protection

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

#### Environmental exposure controls

##### Technical measures to prevent exposure

refer to chapter 7. No further action is necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

#### Physical state

Aerosol

#### Colour

colourless

#### Odour

characteristic

	parameter	Method - source - remark
pH		No data available
Melting point/freezing point		No data available
Initial boiling point and boiling range	-44 °C	
Flash point (°C)	-97 °C	
Evaporation rate		No data available
Flammable solids		No data available
Flammable aerosols		No data available
Upper explosion limit (Vol-%)	10,9 Vol-%	
Lower explosion limit (Vol-%)	1,5 Vol-%	
Vapour pressure		No data available
Density	ca.0,56 g/cm <sup>3</sup> at °C: 20 °C	
Vapour density		No data available
Fat solubility (g/L)		No data available
Water solubility (g/L)		not miscible
Soluble (g/L) in		No data available
Partition coefficient: n-octanol/water		No data available
Auto-ignition temperature		No data available
Auto-ignition temperature	365 °C	
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

**Solvent content (%)** 0 %

#### remark

VOC (EU) 100%

## 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

In case of warming:

Danger of bursting container.

>50°C

## 10.5 Incompatible materials

No data available

## 10.6 Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### Toxicokinetics, metabolism and distribution

#### Non-human toxicological data

##### remark

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

### 11.1 Information on toxicological effects

#### skin corrosion/irritation

##### Skin corrosion

###### Result / evaluation

Not an irritant.

#### Eye damage/irritation

###### Result / evaluation

Not an irritant.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Additional ecotoxicological information

##### Additional information

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see chapter 3).

### 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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

##### Appropriate disposal/Product:

Waste disposal according to official state regulations.

#### Appropriate disposal / Package

##### Contaminated packaging:

Completely emptied packings can be re-cycled.

**Waste code packaging** 160500

**Special monitoring requiring wastes:** No

##### Waste name

gases in pressure containers and discarded chemicals

**Waste code packaging** 160000

**Special monitoring requiring wastes:** No

##### Waste name

WASTES NOT OTHERWISE SPECIFIED IN THE LIST

**Waste code packaging** 160505

**Special monitoring requiring wastes:** 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-No.	2037	2037	2037

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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 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)** 2.1

**Limited quantity (LQ)** 1 L

**tunnel restriction code** D

**transport category** 2

#### Additional information - Sea transport (IMDG)

**Marine pollutant** No

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

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

**Limited quantity (LQ)** 1

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

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

### 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)

##### To follow:

Aerosol directive (75/324/EEC)

#### 15.2 Chemical Safety Assessment

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

### SECTION 16: Other information

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

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

#### 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.