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

1.3 Details of the supplier of the safety data sheet

Importer/Only Representative
Apex Tool Group UK Ltd
20 Farringdon Street, 8th Floor
United Kingdom-EC4A 4AB London
Telephone: +44 740 8836 404
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

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 Substances (not applicable)

3.2 Mixtures

Description
mixture

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 / Press. Gas (Liq.), H280

isobutane >=25 - <=50 %
CAS 75-28-5
EC 200-857-2
INDEX 601-004-00-0
REACHNo 01-2119485395-27
Flam. Gas 1, H220 / Press. Gas (Comp.), H280

butane >=50 - <=100 %
CAS 106-97-8
EC 203-448-7
INDEX 601-004-00-0
REACHNo 01-2119474691-32
Flam. Gas 1, H220 / Press. Gas (Comp.), H280

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 (CO2)
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/m³ 600 ppm	1810 mg/m³ 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

		parameter	Method - source - remark
Kinematic viscosity			not determined
Water solubility			insoluble 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 (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, 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)

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

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.