

Safety Data Sheet	
as per 1907/2006/EC	
Written on:	20.07.1994
Revised on:	11.11.2011
Trade Name:	
Weller Pyropen Refill, 75 ml	
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1	Identification of the substance/preparation and of the company/undertaking	
	Production specifications:	Aerosol
	Trade Name:	Weller Pyropen Refill Part No. 005 16 160 99 / 49
	Manufacturer/supplier:	Weller Tools GmbH, Carl-Benz-Str. 2, 74354 Besigheim Tel: +49 7143 580-0, Fax: +49 7143 580-108
	Information supplied by:	Environmental Protection Department Tel.: +49 7143 580 101, Fax: +49 7143 580 183
	Emergency Phone:	GIZ Mainz Tel.: +49 6131 - 19240

***2 Hazards identification**

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008



GHS02 flame
Flam. Gas 1 H220 Extremely flammable gas.



GHS04 gas cylinder
Press. Gas H280 Contains gas under pressure; may explode if heated.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



F+ Extremely flammable
R12: Extremely flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS04

Signal word Danger

Hazard statements

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

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

P381 Eliminate all ignition sources if safe to do so.

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

P403 Store in a well-ventilated place.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

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***3 Composition/ information on ingredients**

Chemical characterization

Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane	 F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	50-100%
CAS: 75-28-5 EINECS: 200-857-2	isobutane	 F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane	 F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	10-25%

Additional information: For the wording of the listed risk phrases refer to section 16.

***4 First aid measures**

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Normally swallowing is not possible, as the product is an aerosol can.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Risk of bursting in case of fire heat

Protective equipment: Do not inhale explosion gases or combustion gases.

Additional information Cool endangered receptacles with water spray.

***6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with skin / eyes and inhalation.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Allow to evaporate.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

***7 Handling and storage**

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

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

Do not spray onto a naked flame or any incandescent material.

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Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane

WEL Short-term value: 1810 mg/m³, 750 ppm

Long-term value: 1450 mg/m³, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: Do not inhale gases / fumes / aerosols.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:

Material of gloves If contamination is possible, use gloves made of nitrile according EN 374

Penetration time of glove material > 480 min / 0,4 mm thickness

9 Physical and chemical properties:

General Information

Form: Aerosol
Colour: Colourless
Odour: Recognizable

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -44°C

Flash point: -97°C

Ignition temperature: 365°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Risk of bursting at temperatures > 50°C. Damage of the container may lead to the formation of explosive mixtures of gas/vapors with air.

Explosion limits:

Lower: 1.5 Vol %

Upper: 10.9 Vol %

Pressure (20°C) 2 - 3,5 bar

Density at 20°C: ca. 0.56 g/cm³

Solubility in / Miscibility withwater: Not miscible or difficult to mix.

Solvent content:

Organic solvents: 0.0 %

Additional information Vapors are heavier than air.

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***10 Stability and reactivity**

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: Risk of bursting at temperatures >50°C.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No further relevant information available.

Incompatible materials:

No further relevant information available.

Hazardous decomposition products:

No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

***12 Ecological information**

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods:

Recommendation

empty cans: material recycling

filled cans: remove in accordance with local regulations

European waste catalogue

16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 05 00 gases in pressure containers and discarded chemicals

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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***14 Transport information**

UN-Number UN 2037
ADR,IMDG, IATA Ordnungsgemäße UN-Versandbezeichnung
ADR 2037 RECEPTACLES; SMALL; CONTAINING GAS (GAS CARTRIGES)
IMDG, IATA RECEPTACLES; SMALL; CONTAINING GAS (GAS CARTRIGES)

Transport hazard class(es)

ADR



Class 2 5F Gase
Label 2.1

IMDG/IATA



Class 2.1
Label 2.1

Packing group
ADR, IMDG, IATA Void

Environmental hazards:
Marine pollutant: No

Special precautions for user Warning: Gases
Danger code (Kemler): -
EMS-Number: F-D,S-U

Transport in bulk according to Annex II of
MARPOL- 73/78 and the IBC Code
Not applicable.

Transport/Additional information:

ADR
Limited quantities(LQ) 1L
Transport category 2
Tunnel restriction code D
Remarks: Transportation as "LIMITED QUANTITIES" (LQ2) according 3.4 ADR possible. Sole marking: Sign for "Limited Quantities" (rhombus with two black edges)
Entry in the transportation document: Transportation according chapter 3.4 ADR

UN "Model Regulation": UN2037 RECEPTACLES; SMALL; CONTAINING GAS (GAS CARTRIGES), 2.1

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***15 Regulatory information**

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

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

***16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H280 Contains gas under pressure; may explode if heated.

R12 Extremely flammable.

Abbreviations and acronyms:

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

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

· * **Data compared to the previous version altered.**

**The specifications are based on the present-day status of our knowledge,
but do not represent any assurance of product properties and are not a basis for any
contractual legal relationship.**

**Department issuing data sheet: Environmental Protection Department
Contact person: V. Heller**