

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: MIG SPRAY 400ML OZONNEUTRAL

Article number: 81950009.

UFI: 4XYN-0RD4-C505-DHJ6

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

Product use: Welding spray.

1.3 Details of the supplier of the safety data sheet:

Company: MIGATRONIC A/S
Aggersundvej 33
9690 Fjerritslev
Denmark
Phone +45 96 500 600
www.migatronik.dk

Contact: MJE@migatronik.com

1.4 Emergency telephone number:

NHS: 111.
Use your national or local emergency number.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture to CLP No 1272/2008/GB CLP.

Flam. Aerosol 1: H222 – H229.

2.2 Label elements CLP No 1272/2008/GB CLP.

Hazard pictograms:



Signal word:
Danger

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

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Precautionary statements:

General:

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Prevention:

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P273 Avoid release to the environment.

Response:

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Storage:

P403 Store in a well-ventilated place.

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

Disposal:

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Additional labelling:

EUH208 Contains d-limonene, dipentene. May produce an allergic reaction.

2.3 Other hazards.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: The product is a mixture.

3.2 Mixture:

CAS/EC No.	REACH No.	Name	Content %	Classification
106-97-8 / 203-448-7	No data	Butane	50-80	Flam. Gas. 1; H220, Press. Gas (Comp.).
74-98-6 / 200-827-9	No data	Propane	10-30	Flam. Gas. 1; H220, Press. Gas (Comp.).
75-28-5 / 200-857-2	No data	Isobutane	1-5	Flam. Gas. 1; H220, Press. Gas.
5989-27-5 / 227-813-5	01-2119529223- 47	d-limonene	<1	Flam. Liq. 3; H226, Asp. Tox. 1; H304, Skin Irrit. 2; H315, Skin Sens. 1B; H317, Aquatic Acute 1; H400 (M=1), Aquatic Chronic 3; H412.

138-86-3 / 205-341-0	01-2120766421- 57	Dipentene	<0.2	Flam. Liq. 3; H226, Skin Irrit. 2; H315, Skin Sens. 1B; H317, Aquatic Acute 1; H400 (M=1), Aquatic Chronic 1; H410 (M=1).
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See full text of H-phrases in section 16. Occupational limits are listed in section 8 if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.
Inhalation:	In case of breathing difficulties or other irritation of the respiratory tract: Bring the person to fresh air and keep the person under supervision.
Skin contact:	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

4.2 Most important symptoms and effects, both acute and delayed:

May cause slight irritation to the skin and eyes.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:	Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Do not use water stream, as it may spread the fire.
5.2 Special hazards arising from the substance or mixture:	Extremely flammable aerosol. Pressurised container: may burst if heated Fire may produce harmful fumes or gases, avoid inhalation.
5.3 Advice for firefighters:	Do not enter fire area without proper protective equipment, including respiratory protection. Containers close to fire should be removed immediately or cooled with waterspray/fog.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for recommendations on the use of personal protective equipment. Stores that have not ignited must be cooled by water mist. Where possible, remove flammable materials. Make sure there is sufficient ventilation.

6.2 Environmental precautions:

Prevent spillage from entering drains and/or surface water.

6.3 Methods and material for containment and cleaning up:

Use sand, soil, cat litter, or universal binder to collect non-combustible absorbent materials and collect in a container for disposal in accordance with applicable regulations.

6.4 Reference to other sections:

See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Ensure sufficient ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame. No smoking. Do not expose to temperatures exceeding 50°C. Protect against sunlight. Store in a cool, dry, well ventilated location. Keep out of reach of children. Store frost-free.

7.3 Specific end use(s):

See section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits EH40:

CAS No:	Name:	Limits:	Remarks:
106-97-8	Butane	Long-term value: 1450 mg/m ³ , 600 ppm Short-term: 1810 mg/m ³ , 750 ppm	-

DNEL / PNEC:

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8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

General information:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Always wash hands, forearms and face. Provide eyewash station.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with A filter. EN 14387.

Hand protection:

Wear gloves. EN 374.
Type of material and thickness:
Nitrilrubber >0.3 mm. Butylru
Penetration time: ≥60 min.

Eye protection:

Wear safety glasses if risk of contact. EN 166.

Body protection:

Normal working clothes.

Measures to avoid environmental exposure:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:	Liquid/Aerosol
Colour:	Product specific
Odour:	Lemon
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Not relevant/no data
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	Not relevant/no data
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:

No data.

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** None under normal conditions of use.
- 10.2 Chemical stability:** Stable under normal conditions.
- 10.3 Possibility of hazardous reactions:** None under normal conditions.
- 10.4 Conditions to avoid:** Avoid all sources of ignition and keep away from heat, sparks and direct sunlight. Temperatures >50°C.
- 10.5 Incompatible materials:** Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- 10.6 Hazardous decomposition products:** The product is not degraded when used as specified in section 1.

SECTION 11. TOXICOLOGICAL INFORMATION

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

- Acute toxicity:** Not classified.
- Butane:
Inhalation – LC50 – Mouse: 1237 mg/L/2 h.
- Propan:
Inhalation – LC50 – Mouse: 1237 mg/L/2 h.
- Isobutan:
Inhalation – LC50 – Mouse: 1237 mg/L/2 h.
- d-Limonene:
Oral – LD50 – Rat: >500 mg/kg
Dermal – LD50 – Rat: >2000 mg/kg
- Skin corrosion/irritation:** Not classified
- Serious eye damage/irritation:** Not classified.
- Respiratory or skin sensitization:** Not classified.
Contains d-limonene, dipentene. May produce an allergic reaction.
- Germ cell mutagenicity:** Not classified.
- Carcinogenicity:** Not classified.
- Reproductive toxicity:** Not classified
- Specific target organ toxicity - single exposure:** Not classified

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Specific target organ

toxicity – repeated

exposure:

Not classified.

Aspiration hazard:

Not classified.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Other information:

May cause slight irritation to the skin and eyes.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:

The product is not classified as harmful to the environment.

Butane:

Fish – LC50 – 96 h.: 24.11 – 147.54 mg/L

Daphnia – LC50 – 48 h.: 14.22 – 69.43 mg/L

Algae – EC50 – 96 h.: 7.71 – 19.37 mg/L

Propane:

Fish – LC50 – 96 h.: 27.98 mg/L

Daphnia – LC50 – 48 h.: 14.22 mg/L

Algae – EC50 – 96 h.: 7.71 mg/L

Isobutane:

Fish – LC50 – 96 h.: 24.11 – 147.54 mg/L

Daphnia – LC50 – 48 h.: 14.22 – 69.43 mg/L

Algae – EC50 – 96 h.: 7.71 – 19.37 mg/L

d-Limonene:

Fish – LC50 – 96 h.: 0.7 mg/L

Daphnia – EC50 – 48 h.: 0.467 mg/L

12.2 Persistence and degradability:

Butane:

100% - OECD test – 385,5 h.: biodegradable.

Propane:

100% - OECD test – 385,5 h.: biodegradable.

Isobutane:

100% - OECD test – 385,5 h.: biodegradable.

d-Limonene:

80% - OECD 301 D – 28 d.: not biodegradable.

12.3 Bioaccumulative potential:

No known potential.

12.4 Mobility in soil:

No data available.

12.5 Result of PBT and vPvB assessment:

Contains no PBT or vPvB substances according to REACH No 1907/2006.

12.6 Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

This product is considered a non-hazardous product.
The coding of a waste stream is based on the application of the product by the consumer.
Option:

EWC-Code:

16 05 04* gases in pressure containers (including halons) containing dangerous substances.

Contaminated packing:

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14. TRANSPORT INFORMATION

This product is classified as dangerous to transport.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	1950	1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es)	2/2.1	2/2.1
14.4 Packing group	-	-
14.5 Environmental hazards – MP EmS:	No F-D, S-U	No F-D, S-U
Other informations	LQ: 1 L. Tunnel D	LQ: 1 L. Tunnel D

14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information: People under the age of 18 must not work with this product cf. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Additional information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Validated by:

SRS
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