



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

1.1 Product identifier

Trade name: DICHTEX

Dichtungsentferner 400 ml Aerosol

UFI: A130-305A-N008-0DWH

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

General use: Solvent

1.3 Details of the supplier of the safety data sheet

Company name: EUROTECH Maier Ernst GmbH

Street/POB-No.: Herrschaftswiesen 5

Postal Code, city: AT-6842 Koblach

WWW: www.eurotech.at

E-mail: office@eurotech.at

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Department responsible for information:

Telephone: +43 (0)5523 53852, Email: office@eurotech.at

1.4 Emergency telephone number

Giftzentrale Wien, Telephone: +43 (0)1-4064343

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aerosol 1; H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

Hazard statements: H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.



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Precautionary statements:

| | |
|-----------|--|
| P102 | Keep out of reach of children. |
| 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. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |

2.3 Other hazards

In use, may form flammable/explosive vapour-air mixture.
Vapours of organic solvents may have a narcotic effect.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Solvents with propellant

Hazardous ingredients:

| Ingredient | Designation | Content | Classification |
|----------------------------------|------------------|-----------|--|
| EC No. 203-714-2 CAS 109-87-5 | Dimethoxymethane | 50 - 70 % | Flam. Liq. 2; H225. |
| EC No. 203-448-7 CAS 106-97-8 | n-Butane, pure | 10 - 20 % | Flam. Gas 1; H220. Press. Gas (Liq.); H280. |
| EC No. 200-827-9 CAS 74-98-6 | Propane | 1 - 10 % | Flam. Gas 1; H220. Press. Gas (Comp.); H280. |
| EC No. 200-857-2 CAS 75-28-5 | Isobutane, pure | 1 - 10 % | Flam. Gas 1; H220. Press. Gas (Comp.); H280. |

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|-------------------------|--|
| General information: | First aider: Pay attention to self-protection! |
| In case of inhalation: | Move victim to fresh air, put at rest and loosen restrictive clothing. In case of respiratory difficulties seek medical attention. In case of irregular breathing or respiratory arrest provide artificial respiration. |
| Following skin contact: | After contact with skin, wash immediately with plenty of water. In case of skin reactions, consult a physician. |
| After eye contact: | Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. |
| After swallowing: | Swallowing is not regarded as a possible way of exposition. |

4.2 Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness.



4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, extinguishing powder

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable. Vapours can form explosive mixtures with air.

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Hazchem-Code: -

Container under pressure. Heating will lead to pressure increase: Danger of bursting and explosion.

Cool endangered containers with water spray and, if possible, remove from danger zone.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Wear appropriate protective equipment.

Provide adequate ventilation.

Do not breathe vapour/aerosol. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance. Contact expert.

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Use only in well-ventilated areas.

Provide adequate ventilation, and local exhaust as needed.

Do not breathe vapour/aerosol. Avoid contact with skin and eyes.



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Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material.

Use only non-sparking tools. Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep only in the original container in a cool, well-ventilated place.

Protect from heat and direct sunlight.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

| CAS No. | Designation | Type | Limit value |
|----------|------------------|-------------------------|-----------------------------------|
| 109-87-5 | Dimethoxymethane | Great Britain: WEL-STEL | 3950 mg/m ³ ; 1250 ppm |
| | | Great Britain: WEL-TWA | 3160 mg/m ³ ; 1000 ppm |
| | | Ireland: 8 hours | 3100 mg/m ³ ; 1000 ppm |
| 106-97-8 | n-Butane, pure | Great Britain: WEL-STEL | 1810 mg/m ³ ; 750 ppm |
| | | Great Britain: WEL-TWA | 1450 mg/m ³ ; 600 ppm |
| | | Ireland: 8 hours | 1000 ppm |
| 75-28-5 | Isobutane, pure | Ireland: 15 minutes | 1000 ppm |

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

The following applies to Propane in general:

If the concentration is exceeded, closed-circuit breathing apparatus must be used!

Have a breathing apparatus that is not dependent on the circulating air ready for emergencies.

Hand protection:

Protective gloves according to EN 374.

Glove material: Butyl caoutchouc (butyl rubber) - Layer thickness: 0.5 mm

Breakthrough time: > 480 min

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Body protection:

Protective clothing, solvent-resistant

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General protection and hygiene measures:

Keep away from heat sources, sparks and open flames. Use only non-sparking tools.
Do not breathe vapour/aerosol. Use only in well-ventilated areas.
Avoid contact with skin and eyes.
Change contaminated clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|--|---|
| Appearance: | Form: Aerosol Colour: whitish |
| Odour: | characteristic |
| Odour threshold: | No data available |
| pH: | No data available |
| Melting point/freezing point: | No data available |
| Initial boiling point and boiling range: | No data available |
| Flash point/flash point range: | -60 °C |
| Evaporation rate: | No data available |
| Flammability: | Extremely flammable. |
| Explosion limits: | LEL (Lower Explosion Limit): 1.40 Vol-% UEL (Upper Explosive Limit): 32.00 Vol-% |
| Vapour pressure: | 2000 hPa |
| Vapour density: | No data available |
| Density: | 0.74 g/mL |
| Water solubility: | poorly soluble |
| Partition coefficient: n-octanol/water: | No data available |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| Viscosity, kinematic: | No data available |
| Explosive properties: | Product is not explosive. Potentially explosive vapour/air mixtures may form. |
| Oxidizing characteristics: | No data available |

9.2 Other information

Ignition temperature: 510 °C

SECTION 10: Stability and reactivity**10.1 Reactivity**

Extremely flammable aerosol.
Vapours can form explosive mixtures with air.



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10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Container under pressure.

Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.

Protect from direct exposure to sunlight and temperatures exceeding 50 °C.

10.5 Incompatible materials

Keep away from oxidizing agents.

10.6 Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

Symptoms

In case of inhalation: Vapours may cause drowsiness and dizziness.
Danger of serious damage to health by prolonged exposure.
After contact with skin: Mild irritant.
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.



SECTION 12: Ecological information

12.1 Toxicity

Further details: No data available

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

The product is highly volatile.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

AOX reference: Product does not contain organically bound halogen (AOX).

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 16 05 04* = Dangerous materials containing gases in pressure containers

* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.
Do not open with force or incinerate, even when empty.

Package

Waste key number: 15 01 10* = packaging containing residues of or contaminated by dangerous substances.

* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.
Empty carefully and completely, if possible.
Handle empty containers with care. Incineration may cause explosion.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:

UN 1950

14.2 UN proper shipping name

ADR/RID, IMDG: UN 1950, AEROSOLS

IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

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14.3 Transport hazard class(es)ADR/RID: Class 2, Code: 5F
IMDG: Class 2, Subrisk -, see SP63
IATA-DGR: Class 2.1**14.4 Packing group**ADR/RID, IATA-DGR: not applicable
IMDG: -**14.5 Environmental hazards**

Marine pollutant: no

14.6 Special precautions for user**Land transport (ADR/RID)**Warning board: RID: Kemmler-number 23, UN number UN 1950
Hazard label: 2.1
Special provisions: 190 327 344 625
Limited quantities: 1 L
EQ: E0
Package - Instructions: P207 LP200
Package - Special provisions: PP87 RR6 L2
Special provisions for packing together: MP9
Tunnel restriction code: D**Sea transport (IMDG)**EmS: F-D, S-U
Special provisions: 63, 190, 277, 327, 344, 381, 959
Limited quantities: See SP277
Excepted quantities: E0
Package - Instructions: P207, LP200
Package - Provisions: PP87, L2
IBC - Instructions: -
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: -
Tank instructions - Provisions: -
Stowage and handling: SW1 SW22
Segregation: SG69
Properties and observations: -
Segregation group: none**Air transport (IATA)**Hazard label: Flamm. gas
Excepted Quantity Code: E0
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special provisions: A145 A167 A802
Emergency Response Guide-Code (ERG): 10L



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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code:

-

No data available

National regulations - EC member states

Volatile organic compounds (VOC):

94.6 % by weight = 681 g/L

Further regulations, limitations and legal requirements:

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Further information

Wording of the H-phrases under paragraph 2 and 3:

H220 = Extremely flammable gas.

H222 = Extremely flammable aerosol.

H225 = Highly flammable liquid and vapour.

H229 = Pressurised container: May burst if heated.

H280 = Contains gas under pressure; may explode if heated.



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Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
AOX: Adsorbable Organic Halogens
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EU: European Union
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TLV: Threshold Limit Value
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: Changes in section 1: product identifier (UFI)

Date of first version: 14/4/2003

Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.