

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 29/4/2021
Version: 15.1
Language: en-GB,IE
Date of print: 15/7/2021**Kontrolit 400 ml Aerosoldose**

Material number 844400

Page: 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: Kontrolit 400 ml Aerosoldose

UFI: WJK0-Q036-200U-Q6D6

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

General use: Leakage search spray

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 3; H229 Pressurised container: May burst if heated.

2.2 Label elements**Labelling (CLP)**Signal word: **Warning**

Hazard statements: H229 Pressurised container: May burst if heated.

Precautionary statements:

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.

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

Special labelling

EUH208 Contains Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine. May produce an allergic reaction.

2.3 Other hazards

May cause allergic reactions in already sensitized persons.

Results of PBT and vPvB assessment:

No data available

**SAFETY DATA SHEET**

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Kontrolit 400 ml Aerosoldose

Material number 844400

Page: 2 of 11

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 263-016-9 CAS 61788-90-7	Amines, coco alkyldimethyl, N-oxides	< 1 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Acute 1; H400 (M-factor = 1).
list no. 939-488-3	Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine	< 1 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. Skin Sens. 1B; H317.
EC No. 233-032-0 CAS 10024-97-2	Dinitrogen oxide	< 5 %	Ox. Gas 1; H270. 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:	Remove person to fresh air and keep comfortable for breathing. Seek medical treatment in case of troubles.
Following skin contact:	Wash with generous amount of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.
After eye contact:	Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

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

Treat symptomatically.
May cause allergic reactions in already sensitized persons.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media:

Water spray jet, carbon dioxide, extinguishing powder, foam

Extinguishing media which must not be used for safety reasons:

Full water jet



5.2 Special hazards arising from the substance or mixture

Pressurised container: May burst if heated.
May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Nitrogen oxides (NO_x), 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: -

Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe spray. Avoid contact with the substance.

In case of leakage, eliminate all ignition sources. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants. Take off contaminated clothing and wash it before reuse.

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.

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: Provide adequate ventilation, and local exhaust as needed. Do not breathe spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off contaminated clothing and wash it before reuse.

**Kontrolit 400 ml Aerosoldose**

Material number 844400

Page: 4 of 11

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store containers in upright position. Protect from frost.

Hints on joint storage:

Do not store together with: strong oxidizing agents, strong alkalis, strong acids.
Keep away from food, drink and animal feedingstuffs.

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
10024-97-2	Dinitrogen oxide	Great Britain: WEL-TWA Ireland: 8 hours	183 mg/m ³ ; 100 ppm 90 mg/m ³ ; 50 ppm

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.

Personal protection equipment**Occupational exposure controls**

Respiratory protection: 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. Respiratory protection must be worn whenever the WEL levels have been exceeded.
In case of inadequate ventilation wear respiratory protection.
Use combination filter type A- P2 according to EN 14387.

Hand protection: Protective gloves according to EN 374.
Glove material:
Chloroprene rubber
Layer thickness: > = 0.6 mm.
Breakthrough time: >480 min.
Nitrile rubber
Layer thickness: > = 0.4 mm.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Risk of splashes: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

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Revision date: 29/4/2021

Version: 15.1

Language: en-GB,IE

Date of print: 15/7/2021

Kontrolit 400 ml Aerosoldose

Material number 844400

Page: 5 of 11

General protection and hygiene measures:

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

Do not pierce or burn, even after use.

Do not breathe spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Take off contaminated clothing and wash it before reuse.

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:	Physical state at 20 °C and 101.3 kPa: liquid Form: Aerosol Colour: colourless
Odour:	Characteristic
Odour threshold:	No data available
pH:	7.6
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	No data available
Solubility:	no data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not self-igniting
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	Pressurised container: May burst if heated.
Oxidizing characteristics:	No data available

9.2 Other information

Additional information: No data available

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

Refer to subsection "Possibility of hazardous reactions".



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 29/4/2021
Version: 15.1
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Date of print: 15/7/2021

Kontrolit 400 ml Aerosoldose

Material number 844400

Page: 6 of 11

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Pressurised container: May burst if heated.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Protect from frost.

10.5 Incompatible materials

Strong oxidizing agents, strong alkalis, strong acids

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:	<p>The statements are derived from the properties of the single components. No toxicological data is available for the product as such.</p> <p>Acute toxicity (oral): Based on available data, the classification criteria are not met.</p> <p>ATEmix (calculated): > 2,000 mg/kg</p> <p>Acute toxicity (dermal): Based on available data, the classification criteria are not met.</p> <p>ATEmix (calculated): > 2,000 mg/kg</p> <p>Acute toxicity (inhalative): Based on available data, the classification criteria are not met.</p> <p>Skin corrosion/irritation: Based on available data, the classification criteria are not met.</p> <p>Serious eye damage/irritation: Based on available data, the classification criteria are not met.</p> <p>Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.</p> <p>Skin sensitisation: Based on available data, the classification criteria are not met.</p> <p>Contains Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine. May produce an allergic reaction.</p> <p>Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.</p> <p>Carcinogenicity: Based on available data, the classification criteria are not met.</p> <p>Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Effects on or via lactation: Lack of data.</p> <p>Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.</p> <p>Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.</p> <p>Aspiration hazard: Based on available data, the classification criteria are not met.</p>
Other information:	<p>Information about Amines, coco alkyldimethyl, N-oxides:</p> <p>LD50 oral: > 2,000 mg/kg bw</p> <p>Information about Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine:</p> <p>LD50 Rat, dermal: > 2,000 mg/kg bw (OECD 402)</p> <p>LD50 Rat, oral: 4,752 mg/kg bw (OECD 401)</p> <p>LC0 Rat, inhalative: approx. 0.11 mg/L/7 h</p> <p>Contains Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine. May produce an allergic reaction.</p>



SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine:
Fish toxicity:
LC50 Leuciscus idus: 150 - 220 mg/L/96 h
Daphnia toxicity:
EC50 Daphnia magna (Big water flea): > 100 mg/L/48 h (OECD 202)
Algae toxicity:
EC50 Pseudokirchneriella subcapitata (green algae): 197.27 mg/L/72 h (OECD 201)

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

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

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 05 = gases in pressure containers other than those mentioned in 16 05 04/Aerosol
Recommendation: Do not pierce or burn, even after use.
Special waste. Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Package

Waste key number: 15 01 04 = metallic packaging
Recommendation: 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

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Date of print: 15/7/2021**Kontrolit 400 ml Aerosoldose**

Material number 844400

Page: 9 of 11

14.2 UN proper shipping nameADR/RID, IMDG: UN 1950, AEROSOLS
IATA-DGR: UN 1950, AEROSOLS, NON-FLAMMABLE**14.3 Transport hazard class(es)**ADR/RID: Class 2, Code: 5A
IMDG: Class 2, Subrisk -, see SP63
IATA-DGR: Class 2.2**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 20, UN number UN 1950
Hazard label: 2.2
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: E**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

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Date of print: 15/7/2021**Kontrolit 400 ml Aerosoldose**

Material number 844400

Page: 10 of 11

Air transport (IATA)

Hazard label: Non-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: A98 A145 A167 A802
Emergency Response Guide-Code (ERG): 2L
Remarks: Label 2.2

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):
0 % by weight

Further regulations, limitations and legal requirements:
Use restriction according to REACH annex XVII, no.: 3, 40

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:

H229 = Pressurised container: May burst if heated.
H270 = May cause or intensify fire; oxidiser.
H280 = Contains gas under pressure; may explode if heated.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H318 = Causes serious eye damage.
H400 = Very toxic to aquatic life.
EUH208 = Contains Reaction product of Maleic anhydride, 2-Ethylhexylamine and Triethanolamine. May produce an allergic reaction.



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Revision date: 29/4/2021
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Date of print: 15/7/2021

Kontrolit 400 ml Aerosoldose

Material number 844400

Page: 11 of 11

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
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
EC50: Effective Concentration 50%
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
LC50: Median lethal concentration
LD50: Lethal dose 50%
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
OECD: Organisation for Economic Co-operation and Development
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: 5/1/2002

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.