



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

1.1 Product identifier

Trade name: Neoval MTO 300 Aerosol

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

General use: Lubricating oil with excellent anti-corrosion effect

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: 6842 Koblach

Austria

Telephone: +43 (0)5523 53852

Telefax: +43 (0)5523 53852 4

Dept. responsible for information:

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

Additional information:

This safety data sheet pertains to the following products:

820100 Neoval MTO 300 Aerosol 100 ml

820312 Neoval MTO 300 Aerosol 400 ml in a carton of 12

820324 Neoval MTO 300 Aerosol 400 ml in a carton of 24

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.



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

Exposure to temperatures exceeding 50 °C will increase pressure: resulting in danger of bursting or explosion.

Potentially explosive mixtures may form if adequate ventilation is not provided.

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: Paraffin oil (CAS 8042-47-5), Corrosion inhibitors, Additives, Propellant

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 272-028-3 CAS 68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	< 1 %	Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 2; H411.
EC No. 260-991-2 CAS 57855-77-3	Calcium bis(dinonylnaphthalenesulphonate)	1 - 2 %	Skin Irrit. 2; H315. Eye Irrit. 2; H319.
EC No. 263-093-9 CAS 61789-86-4	Sulfonic acids, petroleum, calcium salts	< 0.5 %	Aquatic Chronic 3; H412.
EC No. 203-448-7 CAS 106-97-8	n-Butane, pure	20 - 30 %	Flam. Gas 1; H220. Liquef. Gas; H280.
EC No. 200-827-9 CAS 74-98-6	Propane	20 - 30 %	Flam. Gas 1; H220. Press. Gas.

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:	Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact:	Remove residues with soap and water. Do not use solvents or thinners. Change contaminated clothing. 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. In case of troubles or persistent symptoms, 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

After contact with skin: Not an irritant.

After eye contact: Mild irritant.

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:

Foam, carbon dioxide

Extinguishing media which must not be used for safety reasons:

High power water jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable. Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Sulphur oxides, 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.

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

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

Eliminate all ignition sources if safe to do so.

Do not breathe vapour/aerosol.

Provide adequate ventilation.

Wear suitable protective clothing. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter drains, basements or pits.

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. Thoroughly clean surrounding area.



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: Provide adequate ventilation, and local exhaust as needed.
Do not breathe vapour/aerosol. Avoid contact with skin and eyes.
Use personal protective clothing.

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 container tightly closed in a cool, well-ventilated place. Keep container dry.
Protect from heat and direct sunlight.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
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
106-97-8	n-Butane, pure	Great Britain: WEL-STEL	1810 mg/m ³ ; 750 ppm (Carc, only applies if Butane contains more than 0.1% of buta-1,3-diene)
		Great Britain: WEL-TWA	1450 mg/m ³ ; 600 ppm (Carc, only applies if Butane contains more than 0.1% of buta-1,3-diene)
		Ireland: 8 hours	1000 ppm
74-98-6	Propane	Ireland: 8 hours	1000 ppm

8.2 Exposure controls

Provide for good room ventilation, suctioning/venting.



Personal protection equipment

Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.
- Hand protection: Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166.
- Body protection: Wear suitable protective clothing.
- 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.
Change contaminated clothing. Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Use a water-soluble skin protection product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Form: Aerosol
Colour: yellowish
- Odour: characteristic
- Odour threshold: No data available
- pH value: No data available
- Melting point/freezing point: -33 °C (DIN 51376)
- Initial boiling point and boiling range: -44 °C
- Flash point/flash point range: -97 °C
- Evaporation rate: No data available
- Flammability: Extremely flammable.
- Explosion limits: LEL (Lower Explosion Limit): 0.60 Vol-%
UEL (Upper Explosive Limit): 9.50 Vol-%
- Vapour pressure: at 20 °C: 7.7 hPa
- Vapour density: No data available
- Density: at 20 °C: 0.45 g/mL
- Water solubility: at 20 °C: slightly soluble
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: not self-igniting
- Decomposition temperature: > 500 °C
- 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: 365 °C



SECTION 10: Stability and reactivity

10.1 Reactivity

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

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

None known

10.6 Hazardous decomposition products

In case of fire may be liberated: Sulphur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: > 500 °C

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Rat, oral (calculated): > 2000 mg/kg

Toxicological effects: Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Following skin contact: Not an irritant.

Eye damage/irritation: Based on available data, the classification criteria are not met.
In case of eye contact: Not an irritant.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met. Not known to cause sensitization.

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**

After contact with skin: Not an irritant.

After eye contact: Mild irritant.

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potentialPartition 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 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.
Do not dispose of with household waste.**Contaminated packaging**

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

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.
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

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: ADR: UN number UN 1950
RID: Kemmler-number 23, UN number UN 1950

Hazard label: 2.1

Special provisions: 190 327 344 625

Limited quantities: 1 L

EQ: E0

Contaminated packaging - Instructions: P207 LP02

Contaminated packaging - 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, 959

Limited quantities: See SP277

Excepted quantities: E0

Contaminated packaging - Instructions: P207, LP02

Contaminated packaging - 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

**SAFETY DATA SHEET**according to Regulation (EC) No. 1907/2006 (REACH)
and Regulation (EU) No 2015/830Revision date: 2/7/2015
Version: 15
Language: en-GB,IE
Date of print: 3/1/2017**Neoval MTO 300 Aerosol**

Material number 820-10C

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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

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):
< 60 % by weight = 270 g/L

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information**Further information**

This safety data sheet applies to all pressure vessels (aerosol cans) exceeding 50 ml capacity.

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

H220 = Extremely flammable gas.
H222 = Extremely flammable aerosol.
H229 = Pressurised container: May burst if heated.
H280 = Contains gas under pressure; may explode if heated.
H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H319 = Causes serious eye irritation.
H411 = Toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: General revision (Regulation (EU) No 2015/830)
Date of first version: 5/4/2006

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information



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For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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.