

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Chain Lube XHT 3000 Spray

Revision date: 09.09.2024

Product code: 766028

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

1.1. Product identifier

ADDINOL Chain Lube XHT 3000 Spray

UFI: WNEK-JR24-K37Q-454Y

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

Use of the substance/mixture

Aerosol - Lubricating agent

1.3. Details of the supplier of the safety data sheet

Manufacturer

| | | |
|-------------------------|--------------------------------|-------------------------------|
| Company name: | ADDINOL Lube Oil GmbH | |
| | Gebäude 4609 | |
| Street: | Am Haupttor | |
| Place: | D-06237 Leuna | |
| Telephone: | +49 (0) 3461 845-0 | Telefax: +49 (0) 3461 845-555 |
| E-mail: | info@addinol.de | |
| Contact person: | Application Technology | |
| Internet: | www.addinol.de | |
| Responsible Department: | ADDINOL Application Technology | |

Supplier

| | | |
|-----------------|--------------------------------|----------------------------|
| Company name: | GEM OILS LIMITED | |
| Place: | IRL-H12K298 Regaskin Co. Cavan | |
| Telephone: | +353 49 4378116 | Telefax: +353 49 4368329 |
| E-mail: | sales@gemoils.ie | |
| Contact person: | GEM OILS LIMITED | Telephone: +353 49 4378116 |
| E-mail: | sales@gemoils.ie | |
| Internet: | https://gemoils.ie/ | |

1.4. Emergency telephone number:

Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229
 Asp. Tox. 1; H304
 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H222 Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.
H411 Toxic to aquatic life with long lasting effects.

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.
P273 Avoid release to the environment.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|------------|---|----------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 106-97-8 | butane | | | 20 - < 40 % |
| | 203-448-7 | | 01-2119474691-32 | |
| | Flam. Gas 1, Liquefied gas; H220 H280 | | | |
| 74-98-6 | propane | | | 10 - < 20 % |
| | 200-827-9 | | 01-2119486944-21 | |
| | Flam. Gas 1, Liquefied gas; H220 H280 | | | |
| | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | | 10 - < 20 % |
| | 920-107-4 | | 01-2119453414-43 | |
| | Asp. Tox. 1; H304 | | | |
| 68937-41-7 | Triaryl phosphate isopropylated | | | 0.5 - < 1 % |
| | 273-066-3 | | 01-2119535109-41 | |
| | Repr. 2, STOT RE 2, Aquatic Chronic 1; H361fd H373 H410 | | | |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|---|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 106-97-8 | 203-448-7 | butane | 20 - < 40 % |
| | | inhalation: LC50 = 658 mg/l (vapours) | |
| | 920-107-4 | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 10 - < 20 % |
| | | dermal: LD50 = >= 3160 mg/kg; oral: LD50 = > 15000 mg/kg | |
| 68937-41-7 | 273-066-3 | Triaryl phosphate isopropylated | 0.5 - < 1 % |
| | | dermal: LD50 = > 10000 mg/kg Aquatic Chronic 1; H410: M=10 | |

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Further Information

DMSO-Extract < 3 %; IP 346. Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist. In case of breathing difficulties administer oxygen. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

following inhalation: drowsiness. Headache. Nausea.

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

Water spray jet. Carbon dioxide (CO₂). Extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x). carbon black.

Flammable. Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Wear a self-contained breathing apparatus and chemical resistant suit. Vapours

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are heavier than air and will spread at floor level. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Section 12: Ecological Information (non-mandatory)

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Take precautionary measures against static discharges. Do not spray on naked flames or any incandescent material. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Heating causes rise in pressure with risk of bursting.

Advice on general occupational hygiene

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place. Keep away from sources of ignition - No smoking.

Please note: TRG 300, aerosol directive (75/324/EEC).

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agent. Material, rich in oxygen, oxidizing.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C.

Do not store at temperatures over: 50°C.

7.3. Specific end use(s)

Further information: see technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|----------|---|------|-------------------|---------------------|---------------|--------|
| 74-98-6 | Aliphatic hydrocarbon gases, Alkanes (C1-C3), Propane | - | - | - | Asphyxiant | |
| 106-97-8 | Butane, all isomers - n-butane | 1000 | - | - | STEL (15 min) | |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---------------------------------|----------------|----------|-------------------------|
| 68937-41-7 | Triaryl phosphate isopropylated | | | |
| Consumer DNEL, acute | | oral | systemic | 50 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 0,145 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 700 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,25 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 2000 mg/kg bw/day |
| Worker DNEL, acute | | dermal | local | 16 mg/cm ² |
| Consumer DNEL, acute | | inhalation | systemic | 350 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,0298 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | systemic | 100 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | local | 8 mg/cm ² |
| Consumer DNEL, long-term | | oral | systemic | 0,00835 mg/kg bw/day |

PNEC values

| CAS No | Substance | Value |
|--|---------------------------------|-------------|
| 68937-41-7 | Triaryl phosphate isopropylated | |
| Environmental compartment | | Value |
| Freshwater | | 0 mg/l |
| Freshwater (intermittent releases) | | 0,015 mg/l |
| Marine water | | 0 mg/l |
| Freshwater sediment | | 0,185 mg/kg |
| Marine sediment | | 0,018 mg/kg |
| Secondary poisoning | | 1,85 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 2,5 mg/kg |

Additional advice on limit values

source:

8.2. Exposure controls



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Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): EN 166

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Cosaint riospráide le scagaire i gcoinne gás orgánach agus gaile cineál A - fuchphointe > 65 ° C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

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

| | |
|------------------|----------------|
| Physical state: | gaseous |
| Colour: | light yellow |
| Odour: | characteristic |
| Odour threshold: | not determined |

| | Test method |
|---|-----------------------------------|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | < -20 °C |
| Flammability: | not applicable |
| Lower explosion limits: | 0,5 vol. % |
| Upper explosion limits: | 10,9 vol. % |
| Flash point: | < -20 °C |
| Auto-ignition temperature: | 232 °C |
| Decomposition temperature: | No data available |
| pH-Value: | not applicable |
| Viscosity / kinematic: (at 40 °C) | not applicable |
| Water solubility: (at 20 °C) | ASTM D 7042 |
| Solubility in other solvents | virtually insoluble |
| No data available | |
| Partition coefficient n-octanol/water: | not applicable |
| Vapour pressure: (at 20 °C) | No data available |
| Density (at 20 °C): | 0,722 g/cm ³ DIN 51757 |

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Relative vapour density: not determined

Particle characteristics: No data available

9.2. Other information**Information with regard to physical hazard classes****Explosive properties**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Self-ignition temperature

Solid: not applicable

Gas: not applicable

Oxidizing properties

No data available

Other safety characteristics

Evaporation rate: not determined

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

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Ignition hazard.

Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

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 a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Take precautionary measures against static discharges. See protective measures under point 7 and 8.

10.5. Incompatible materials

Keep away from: Oxidizing agent. Material, rich in oxygen, oxidizing.

10.6. Hazardous decomposition products

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x). carbon black.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Based on available data, the classification criteria are not met.

Mixture not tested.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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| CAS No | Chemical name | | | | |
|------------|---|--------------------|---------|---------------------|-----------------------|
| | Exposure route | Dose | Species | Source | Method |
| 106-97-8 | butane | | | | |
| | inhalation (4 h) vapour | LC50 658 mg/l | Rat | | |
| | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | | | |
| | oral | LD50 > 15000 mg/kg | Rat | Study report (1977) | OECD Guideline 401 |
| | dermal | LD50 >= 3160 mg/kg | Rabbit | Study report (1984) | OECD Guideline 402 |
| 68937-41-7 | Triaryl phosphate isopropylated | | | | |
| | dermal | LD50 > 10000 mg/kg | Rabbit | Study report (1976) | other: 16 CFR 1500.40 |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards**Endocrine disrupting properties**

not applicable

Further information

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

SECTION 12: Ecological information**12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

Mixture not tested.

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| CAS No | Chemical name | | | | | |
|------------|---|------------------|-----------|---------|-------------------------------------|--|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 106-97-8 | butane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 49,9 | 96 h | Fish, no other information | United States Environmental Protection A The Ecosar class program has been develo |
| | Acute algae toxicity | ErC50 mg/l | 19,37 | 96 h | Algae | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| | Acute crustacea toxicity | EC50 mg/l | 69,43 | 48 h | Daphnia sp. | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| 74-98-6 | propane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 49,9 | 96 h | Fish, no other information | United States Environmental Protection A The Ecosar class program has been develo |
| | Acute algae toxicity | ErC50 mg/l | 19,37 | 96 h | Algae | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| | Acute crustacea toxicity | EC50 mg/l | 69,43 | 48 h | Daphnia sp. | USEPA OPPT Risk Assessment Division (200) Calculation using ECOSAR Program v1.00. |
| | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | | | | |
| | Acute fish toxicity | LC50 mg/l | > 1000 | 96 h | Oncorhynchus mykiss (Rainbow trout) | |
| | Acute algae toxicity | ErC50 mg/l | > 1000 | 72 h | Pseudokirchneriella subcapitata | REACH Registration Dossier OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 mg/l | > 1000 | 48 h | Daphnia magna | |
| | Crustacea toxicity | NOEC mg/l | > 1000 | 21 d | Daphnia magna | REACH Registration Dossier The aquatic toxicity was estimated by a |
| 68937-41-7 | Triaryl phosphate isopropylated | | | | | |
| | Acute fish toxicity | LC50 mg/l | 10,8 | 96 h | Pimephales promelas | REACH Registration Dossier OECD Guideline 203 |
| | Acute algae toxicity | ErC50 mg/l | > 2,5 | 72 h | Raphidocelis subcapitata | REACH Registration Dossier EU Method C.3 |
| | Acute crustacea toxicity | EC50 | 1,5 mg/l | 48 h | Daphnia magna | REACH Registration Dossier OECD Guideline 202 |
| | Fish toxicity | NOEC mg/l | 0,0031 | 33 d | Pimephales promelas | REACH Registration Dossier OECD Guideline 210 |
| | Crustacea toxicity | NOEC mg/l | 0,0415 | 21 d | Daphnia magna | REACH Registration Dossier OECD Guideline 211 |
| | Acute bacteria toxicity | EC50 mg/l () | > 1000 | 3 h | activated sludge, domestic | REACH Registration Dossier OECD Guideline 209 |

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

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12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|----------------|
| 106-97-8 | butane | 1,09 |
| 74-98-6 | propane | 1,09 |
| | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | >= 5,03 |
| 68937-41-7 | Triaryl phosphate isopropylated | 85000 - 150000 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|------------|---|----------|---------------------|----------------------|
| | Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, < 2% aromatics | >= 207,7 | | REACH Registration D |
| 68937-41-7 | Triaryl phosphate isopropylated | 225 | Lepomis macrochirus | REACH Registration D |

12.4. Mobility in soil

Product is easily volatile. Product is difficult to dissolve in water.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not open container by force. Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|--|----------|
| 14.1. UN number or ID number: | UN 1950 |
| 14.2. UN proper shipping name: | AEROSOLS |
| 14.3. Transport hazard class(es): | 2 |
| 14.4. Packing group: | - |
| Hazard label: | 2.1 |



| | |
|----------------------|-----------------|
| Classification code: | 5F |
| Special Provisions: | 190 327 344 625 |

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Limited quantity: 1 L
 Excepted quantity: E0
 Transport category: 2
 Tunnel restriction code: D

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Classification code: 5F
 Special Provisions: 190 327 344 625
 Limited quantity: 1 L
 Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Marine pollutant: no
 Special Provisions: 63, 190, 277, 327, 344, 381, 959
 Limited quantity: 1000mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1950
14.2. UN proper shipping name: AEROSOLS, flammable
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

Other applicable information (air transport)

Passenger LQ: Y203
 Quantities released: E0

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Danger: Y203

Special provisions: A145 - A153

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: flammable gases.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 29, Entry 40

Directive 2010/75/EU on industrial emissions: 42 % (303,24 g/l)

Directive 2004/42/EC on VOC in paints and varnishes: 53,6 % (386,992 g/l)

Information according to Directive 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC , 2008/47/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2,5,9,15.

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Abbreviations and acronyms

Flam. Gas: Flammable gases

Aerosol: Aerosol

Liquefied gas

Asp. Tox: Aspiration hazard

Repr: Reproductive toxicity

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Chronic: Chronic aquatic hazard

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

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ASTM - American Society for the Testing of Materials; ATE - Acute Toxicity Estimates; bw - Body weight; CAO - Cargo Aircraft Only; CAS - Chemical Abstracts Service; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DNEL - Derived No-Effect Level; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EG - European Union; EN - European standards; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulation concerning the International Carriage of Dangerous Goods by Rail; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Aerosol 1; H222-H229 | |
| Asp. Tox. 1; H304 | |
| Aquatic Chronic 2; H411 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|--------|--|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

Further Information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product

Safety Data Sheet

according to Regulation (EC) No 1907/2006

ADDINOL Chain Lube XHT 3000 Spray

Revision date: 09.09.2024

Product code: 766028

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named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)