

Safety Data Sheet

according to UK REACH Regulation

ADDINOL Cold Cleaning Fluid M

Revision date: 20.02.2025

Product code: 716000

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

1.1. Product identifier

ADDINOL Cold Cleaning Fluid M

UFI: 4TXX-R1Y3-X20Q-EHFF

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

Use of the substance/mixture

Metal working fluids: Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name: ADDINOL Lube Oil GmbH
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: ETL Fluid Experts Ltd.
Street: Grimbold Crag Road
Place: GB-HG5 8PY Knaresborough, North Yorkshire
Telephone: +44 (0)1423 522911
E-mail: sales(@)etlfe.com
Internet: https://www.etlfluidexperts.com/

1.4. Emergency telephone number: +44 (0)1423 522911 - This number is serviced during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Asp. Tox. 1; H304
Aquatic Chronic 4; H413

Full text of hazard statements: see SECTION 16.

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics
Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics

Signal word: Danger

Pictograms:



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Hazard statements

- H304 May be fatal if swallowed and enters airways.
 H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

- P273 Avoid release to the environment.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to industrial incineration plant.

Special labelling of certain mixtures

- EUH066 Repeated exposure may cause skin dryness or cracking.

Additional advice on labelling

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

2.3. Other hazards

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization****Relevant ingredients**

| CAS No | Chemical name | | | Quantity |
|-------------|---|----------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | | | 60 - < 80 % |
| | 918-167-1 | | 01-2119472146-39 | |
| | Flam. Liq. 3, Asp. Tox. 1; H226 H304 EUH066 | | | |
| 246538-78-3 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | | | 20 - < 40 % |
| | 920-901-0 | | 01-2119456810-10 | |
| | Asp. Tox. 1; H304 EUH066 | | | |

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 | | |
| | 918-167-1 | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | 60 - < 80 % |
| | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | | |
| 246538-78-3 | 920-901-0 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | 20 - < 40 % |
| | dermal: LD50 = > 2200 - 2500 mg/kg; oral: LD50 = > 5000 mg/kg | | |

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

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4.1. Description of first aid measures

General information

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.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin. Remove/Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs.

Rinse mouth thoroughly with water. Medical treatment necessary.

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

In case of ingestion: Cough. Dyspnoea.

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

Treat symptomatically. Where appropriate artificial ventilation. Regulation of the blood circulation, possible shock treatment. Subsequent observance for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam. Extinguishing powder. Carbon dioxide (CO₂). Water fog.

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 monoxide Carbon dioxide (CO₂).

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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

High slip hazard because of leaking or spilled product. Do not breathe gas/fumes/vapour/spray. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothes. Wear personal protection equipment. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

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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

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Use only antistatically equipped (spark-free) tools. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

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/Store only in original container. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place. Provide adequate ventilation as well as local exhaustion at critical locations. Take precautionary measures against static discharges.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agent.

Further information on storage conditions

Protect against: UV-radiation/sunlight, frost, heat.

Recommended storage temperature: 5 - 40°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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DNEL/DMEL values

| CAS No | Substance | | |
|--------------------------|--|----------|-----------------------|
| DNEL type | Exposure route | Effect | Value |
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | | |
| Worker DNEL, long-term | inhalation | systemic | 7 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 4 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 1,7 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 2 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0,5 mg/kg bw/day |

PNEC values

| CAS No | Substance | |
|--|--|--|
| Environmental compartment | Value | |
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | |
| Freshwater | 0,026 mg/l | |
| Freshwater (intermittent releases) | 0,263 mg/l | |
| Marine water | 0,003 mg/l | |
| Freshwater sediment | 0,344 mg/kg | |
| Marine sediment | 0,034 mg/kg | |
| Micro-organisms in sewage treatment plants (STP) | 100 mg/l | |
| Soil | 0,053 mg/kg | |

Additional advice on limit values

Recommended limit value for oil mist

TWA: 5 mg/m³STEL: 10 mg/m³**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust 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: 0.4 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.2 mm

Protect skin by using skin protective cream.

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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. Breathing protection with filter against organic gases and vapours type A - boiling point > 65°C: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

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

| | |
|------------------|-------------------|
| Physical state: | liquid |
| Colour: | colourless, clear |
| Odour: | characteristic |
| Odour threshold: | not determined |

| | Test method |
|---|-------------------------------------|
| Melting point/freezing point: | No data available |
| Boiling point or initial boiling point and boiling range: | 184 - 206 °C EN ISO 3405 |
| Flammability: | No data available |
| Lower explosion limits: | No data available |
| Upper explosion limits: | No data available |
| Flash point: | 63 °C DIN EN ISO 2719 |
| Auto-ignition temperature: | > 200 °C DIN 51794 |
| Decomposition temperature: | No data available |
| pH-Value: | not applicable |
| Viscosity / kinematic: (at 20 °C) | 1,85 mm ² /s ASTM D 7042 |
| Water solubility: | virtually insoluble |
| Solubility in other solvents | |
| No data available | |
| Partition coefficient n-octanol/water: | No data available |
| Vapour pressure: | No data available |
| Density (at 15 °C): | 0,765 g/cm ³ DIN 51757 |
| Relative vapour density: | No data available |
| Particle characteristics: | No data available |

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

| | |
|---------------------------|-------------------|
| Explosive properties | No data available |
| Self-ignition temperature | |
| Solid: | No data available |
| Gas: | No data available |
| Oxidizing properties | |
| No data available | |

Other safety characteristics

| | |
|-------------------|-------------------|
| Evaporation rate: | No data available |
|-------------------|-------------------|

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

The product is stable under storage at normal ambient temperatures.

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10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

Do not overheat to avoid decomposition by heat.

10.5. Incompatible materials

Reacts with: Oxidising agent, strong.

10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). carbon black.
No known hazardous decomposition products.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

ATEmix tested

| | Dose | Species | Source |
|--------------|--------------|---------|----------|
| LD50, oral | > 5000 mg/kg | Rat | OECD 401 |
| LD50, dermal | > 5000 mg/kg | Rabbit | OECD 402 |

ATEmix calculated

ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|-------------|---|--------------------------|---------|---------------------|--|
| | Exposure route | Dose | Species | Source | Method |
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1995) | OECD Guideline 401 |
| | dermal | LD50 > 2000 mg/kg | Rat | Study report (2016) | OECD Guideline 402 |
| 246538-78-3 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1995) | OECD Guideline 401 |
| | dermal | LD50 > 2200 - 2500 mg/kg | Rabbit | Study report (1961) | Standard acute method, applying 4 differ |

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.

Repeated exposure may cause skin dryness or cracking.

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.

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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

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

May cause long lasting harmful effects to aquatic life.

| CAS No | Chemical name | | | | | |
|-------------|---|------------------|-----------|---------|---|----------------------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | | | | | |
| | Acute fish toxicity | LC50 mg/l | 26,3 | 96 h | Oncorhynchus mykiss | REACH Registration Dossier |
| | Acute algae toxicity | ErC50 mg/l | > 59,6 | 72 h | Raphidocelis subcapitata | REACH Registration Dossier |
| | Acute crustacea toxicity | EC50 mg/l | 84,91 | 48 h | Daphnia magna | REACH Registration Dossier |
| | Fish toxicity | NOEC mg/l | >= 100 | 32 d | Pimephales promelas | REACH Registration Dossier |
| | Crustacea toxicity | NOEC | > 1 mg/l | 21 d | Daphnia magna | REACH Registration Dossier |
| | Acute bacteria toxicity | EC50 mg/l () | > 1000 | 3 h | activated sludge of a predominantly domestic sewage | REACH Registration Dossier |
| 246538-78-3 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | | | | | |
| | Acute algae toxicity | ErC50 mg/l | > 1000 | 72 h | Raphidocelis subcapitata | REACH Registration Dossier |
| | Fish toxicity | NOEC mg/l | 0,217 | 28 d | Oncorhynchus mykiss | REACH Registration Dossier |
| | Crustacea toxicity | NOEC | 1 mg/l | 21 d | Daphnia magna | REACH Registration Dossier |

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-------------|---|---------|
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | 1,15 |
| 246538-78-3 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | >= 1,99 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|-------------|---|---------|------------|----------------------|
| | Hydrocarbons, C11-C12, isoalkanes, <2% aromatics | >= 6,91 | calculated | REACH Registration D |
| 246538-78-3 | Hydrocarbons, C11-C13, isoalkanes, < 2% aromatics | >= 6,91 | calculated | REACH Registration D |

12.4. Mobility in soil

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

12.5. Results of PBT and vPvB assessment

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

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

Further information

Do not allow uncontrolled leakage of product into the environment.

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

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

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be thrown away.

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

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Inland waterways transport (ADN)

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Marine transport (IMDG)

14.1. UN number or ID number: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

Air transport (ICAO-TI/IATA-DGR)

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14.1. UN number or ID number: -**14.2. UN proper shipping name:** -**14.3. Transport hazard class(es):** -**14.4. Packing group:** -**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other applicable information

No dangerous good in sense of these transport regulations.

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 3, Entry 40

Directive 2004/42/EC on VOC in paints and varnishes: This chemical is a VOC according to 99/13/EC.

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 1 - slightly 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): 2,4,5,8,9,15.

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Abbreviations and acronyms

Flam. Liq: Flammable liquids

Asp. Tox: Aspiration hazard

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 GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Asp. Tox. 1; H304 | Calculation method |
| Aquatic Chronic 4; H413 | Calculation method |

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

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 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.)