

**Safety Data Sheet**

according to UK REACH Regulation

974 Injector Direct Protection, Petrol MF97400200A3

Revision date: 15.09.2021

Product code: 1102602

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

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

Additive

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Company name: TUNAP GmbH & Co. KG
Street: Bürgermeister-Seidl-Str. 2
Place: D-82515 Wolfratshausen
Telephone: + 49 (0) 8171/1600 - 0
e-mail: sdb@tunap.com
Internet: www.tunap.com

Telefax: + 49 (0) 8171/1600 - 40

Supplier

Company name: TUNAP UK Limited
Street: Unit L4 Deacon Trading Estate, Morley Road
Place: GB Tonbridge, Kent. TN9 1RA
Telephone: +44 (0)1732 365163
e-mail: sdb@tunap.com
Internet: www.tunap.co.uk

1.4. Emergency telephone number: 111 NHS (National Health Service)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Flam. Liq. 2; H225
Eye Dam. 1; H318
STOT SE 3; H336
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

2-Propanol
Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich

Signal word: Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.

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- H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapours.
P280 Wear eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents/container according to the official regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

| CAS No | Chemical name | | | Quantity |
|--------------|---|--------------|------------------|--------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 67-63-0 | 2-Propanol | | | 50 - < 100 % |
| | 200-661-7 | 603-117-00-0 | 01-2119457558-25 | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 | | | |
| 1398506-12-1 | Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich | | | 5 - < 10 % |
| | 805-631-2 | | | |
| | Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 2; H302 H318 H411 | | | |
| 128-37-0 | 2,6-di-tert-butyl-4-kresol | | | 1 - < 3 % |
| | 204-881-4 | | 01-2119555270-46 | |
| | Aquatic Chronic 1; H410 | | | |
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | | | 0.1 - < 1 % |
| | 701-177-3 | | 01-2119488991-20 | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 3; H332 H315 H318 H400 H412 | | | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | 0.1 - < 1 % |
| | 202-414-9 | | 01-2119777867-13 | |
| | Acute Tox. 4, Skin Corr. 1C, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H373 H400 H410 | | | |

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

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Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|--------------|-----------|---|--------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 67-63-0 | 200-661-7 | 2-Propanol | 50 - < 100 % |
| | | inhalation: LC50 = 47,5 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5280 mg/kg | |
| 1398506-12-1 | 805-631-2 | Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich | 5 - < 10 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 110-25-8 | 701-177-3 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | 0.1 - < 1 % |
| | | inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 1,37 mg/l (dusts or mists); oral: LD50 = > 5000 mg/kg | |
| 95-38-5 | 202-414-9 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 0.1 - < 1 % |
| | | dermal: LD50 = >2000 mg/kg; oral: LD50 = ca. 1085 mg/kg M acute; H400: M=10 M chron.; H410: M=1 | |

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

5.3. Advice for firefighters



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In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

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). 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
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe instructions for use.
Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
When using do not eat, drink, smoke, sniff.
Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

Further information on handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

Further information on storage conditions

Store in a cool dry place. Observe legal regulations and provisions.

7.3. Specific end use(s)

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No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|----------------------------|-----|-------------------|-----------|---------------|--------|
| 128-37-0 | 2,6-Di-tert-butyl-p-cresol | - | 10 | | TWA (8 h) | WEL |
| 67-63-0 | Propan-2-ol | 400 | 999 | | TWA (8 h) | WEL |
| | | 500 | 1250 | | STEL (15 min) | WEL |

DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|--|----------------|----------|------------------------|
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,8 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 20 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,4 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 10 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 10 mg/kg bw/day |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 0,46 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 14 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,06 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 2 mg/kg bw/day |

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PNEC values

| CAS No | Substance | Value |
|--|--|---------------|
| Environmental compartment | | |
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | |
| Freshwater | | 0,00043 mg/l |
| Freshwater (intermittent releases) | | 0,0043 mg/l |
| Marine water | | 0,000043 mg/l |
| Freshwater sediment | | 0,007 mg/kg |
| Marine sediment | | 0,001 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 1 mg/l |
| Soil | | 1,71 mg/kg |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | |
| Freshwater | | 0 mg/l |
| Freshwater (intermittent releases) | | 0 mg/l |
| Marine water | | 0 mg/l |
| Freshwater sediment | | 0,376 mg/kg |
| Marine sediment | | 0,038 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 0,27 mg/l |
| Soil | | 0,075 mg/kg |

Additional advice on limit values

- a no restriction
- b End of exposure or shift
- c in long-term exposure: after several shifts
- d prior to next shift

TWA (EC): time-weighted average

U: Urea

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

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

Suitable eye protection: Tightly sealed safety glasses.

EN 166

Hand protection

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min

Thickness of the glove material 0,45 mm

EN ISO 374

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

When exceeding the relevant workplace exposure limits, note the following:



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Suitable respiratory protective equipment: Combination filter device (DIN EN 141)..

Filtering device with filter or ventilator filtering device of type: A

Observe the wear time limits as specified by the manufacturer.

Observe legal regulations and provisions.

Environmental exposure controls

Observe legal regulations and provisions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|------------|
| Physical state: | Liquid |
| Colour: | blue |
| Odour: | amine-like |

Test method

Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: 78 °C

Sublimation point: No information available.

Softening point: No information available.

: No information available.

Flash point: 13 °C ISO 3679

Flammability

Solid/liquid: not applicable

Gas: not applicable

Lower explosion limits: 2 vol. %

Upper explosion limits: 12 vol. %

Auto-ignition temperature: 425 °C

Self-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

pH-Value (at 20 °C): DIN 19268

Viscosity / dynamic: No information available. DIN 53019-1

Viscosity / kinematic: < 7 mm²/s DIN EN ISO 3104
(at 40 °C)

Flow time: No information available. DIN EN ISO 2431
(at 20 °C)

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: not determined

Density (at 20 °C): 0,799 g/cm³

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Relative vapour density: not determined

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

Sustaining combustion: No data available

Oxidizing properties
Not oxidising.**Other safety characteristics**

Solvent separation test: No information available.

Solvent content: No information available.

Solid content: not determined

Evaporation rate: not determined

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

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

10.6. Hazardous decomposition productsIncomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO₂, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.**Further information**

Do not mix with other chemicals.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

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

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| CAS No | Chemical name | | | | |
|--------------|--|---------------------|---------|---------------------|--------------------|
| | Exposure route | Dose | Species | Source | Method |
| 67-63-0 | 2-Propanol | | | | |
| | oral | LD50 5280 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 47,5 mg/l | Rat | | |
| 1398506-12-1 | Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | | |
| | dermal | LD50 > 2000 mg/kg | Rabbit | | |
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1981) | OECD Guideline 401 |
| | inhalation vapour | ATE 11 mg/l | | | |
| | inhalation (4 h) dust/mist | LC50 1,37 mg/l | Rat | | |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | |
| | oral | LD50 ca. 1085 mg/kg | Rat | Study report (1989) | OECD Guideline 401 |
| | dermal | LD50 >2000 mg/kg | Rabbit | | |

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/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

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

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

STOT-single exposure

May cause drowsiness or dizziness. (2-Propanol)

STOT-repeated exposure

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

Aspiration hazard

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

Specific effects in experiment on an animal

No information available.

Additional information on tests

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

SECTION 12: Ecological information

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12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No | Chemical name | | | | | |
|--------------|--|-------------------|-----------|-------------------------------------|----------------------------|--------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 67-63-0 | 2-Propanol | | | | | |
| | Acute fish toxicity | LC50 9640 mg/l | 96 h | Pimephales promelas | | |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Desmodesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 > 100 mg/l | 48 h | Daphnia magna | | |
| 1398506-12-1 | Oxirane, 2-ethyl-, homopolymer, 3-aminopropyl C11-14-isoalkyl ethers, C13-rich | | | | | |
| | Acute fish toxicity | LC50 >1 - 10 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute crustacea toxicity | EC50 >1 mg/l | 48 h | Daphnia magna | | |
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | | | | | |
| | Acute fish toxicity | LC50 > 0,43 mg/l | 96 h | Leuciscus idus | REACH Registration Dossier | EU Method C.1 |
| | Acute algae toxicity | ErC50 5,1 mg/l | 72 h | Desmodesmus subspicatus | REACH Registration Dossier | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 0,53 mg/l | 48 h | Daphnia magna | REACH Registration Dossier | EU Method C.2 |
| | Acute bacteria toxicity | (EC50 1300 mg/l) | 3 h | Activated sludge | REACH Registration Dossier | OECD Guideline 209 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | | | | | |
| | Acute fish toxicity | LC50 0,3 mg/l | 96 h | Danio rerio (zebrafish) | | |
| | Acute algae toxicity | ErC50 0,03 mg/l | 72 h | Desmodesmus subspicatus | Study report (2010) | OECD Guideline 201 |
| | Acute crustacea toxicity | EC50 0,163 mg/l | 48 h | Daphnia magna | Study report (2010) | OECD Guideline 202 |

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|--|---------|
| 67-63-0 | 2-Propanol | 0,05 |
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | >= 3,5 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 8,4 |

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BCF

| CAS No | Chemical name | BCF | Species | Source |
|----------|--|-------|---------|----------------------|
| 110-25-8 | N-methyl-N-[C18-(unsaturated)alkanoyl]glycine | 1,98 | fish | BCFBAF version 3.01 |
| 95-38-5 | 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol | 371,8 | | EPIWIN calculation (|

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

The product has not been tested.

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 information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

- 14.1. UN number or ID number:** UN 1219
14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL) (solution)
14.3. Transport hazard class(es): 3
14.4. Packing group: II

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Hazard label: 3
Classification code: F1
Special Provisions: 601
Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1219
14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL) (solution)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3
Classification code: F1
Special Provisions: 601
Limited quantity: 1 L
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number or ID number: UN 1219
14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL) (solution)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3
Marine pollutant: no
Special Provisions: -
Limited quantity: 1 L
Excepted quantity: E2
EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1219
14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL) (solution)
14.3. Transport hazard class(es): 3
14.4. Packing group: II
Hazard label: 3
Special Provisions: A180
Limited quantity Passenger: 1 L
Passenger LQ: Y341
Excepted quantity: E2
IATA-packing instructions - Passenger: 353
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 364
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: Combustible liquids.

14.7. Maritime transport in bulk according to IMO instruments

not applicable



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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, Entry 75

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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

Additional information

94/69/EC (21st ATP). The benzene content of the product is less than 0.1%. It applies the annotation P.

Classification and labeling as carcinogenic is not necessary.

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): 1,2,4,5,6,7,8,9,10,11,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 2; H225 | On basis of test data |
| Eye Dam. 1; H318 | Calculation method |
| STOT SE 3; H336 | Calculation method |
| Aquatic Chronic 3; H412 | Calculation method |

Relevant H and EUH statements (number and full text)

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |

**Safety Data Sheet**

according to UK REACH Regulation

974 Injector Direct Protection, Petrol MF97400200A3

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| | |
|------|--|
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Further Information

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