



SAFETY DATA SHEET DIESEL INJECTOR CLEANER

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

1.1. Product identifier

| | |
|----------------|--|
| Product name | DIESEL INJECTOR CLEANER |
| Product number | AFI301, QID300, SDC300, QID000, QDS300, CID303, ZDI306 |
| UFI | UFI: F8AH-MU79-DK4C-EFXF, UFI: 9UKH-MUT3-NK4T-S1HG |

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

| | |
|-----------------|----------------|
| Identified uses | Fuel additive. |
|-----------------|----------------|

1.3. Details of the supplier of the safety data sheet

| | |
|----------|---|
| Supplier | TETROSYL EUROPE 79 rue du chemin vert 59.273 Fretin TEL: 03 20 28 06 30 qualite@tetrosyl-france.com |
|----------|---|

| | |
|--------------|---|
| Manufacturer | TETROSYL LIMITED Bury Lancashire England BL9 7NY 0161 764 5981 0161 797 5899 info@tetrosyl.com |
|--------------|---|

1.4. Emergency telephone number

| | |
|---------------------|------------------------------|
| Emergency telephone | +44 (0)161 764 5981 (24 hrs) |
|---------------------|------------------------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

| | |
|-----------------------|--------------------------|
| Physical hazards | Not Classified |
| Health hazards | Asp. Tox. 1 - H304 |
| Environmental hazards | Aquatic Chronic 3 - H412 |

2.2. Label elements

Hazard pictograms



| | |
|-------------|--------|
| Signal word | Danger |
|-------------|--------|

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|---------------------------------------|--|
| Hazard statements | <p>EUH208 Contains AMINO LONG CHAIN ALKYL AMIDE. May produce an allergic reaction.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> |
| Precautionary statements | <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P331 Do NOT induce vomiting.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |
| Supplemental label information | EUH066 Repeated exposure may cause skin dryness or cracking. |
| UFI | UFI: F8AH-MU79-DK4C-EFXF, UFI: 9UKH-MUT3-NK4T-S1HG |
| Contains | DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED |
| Detergent labelling | ≥ 30% aliphatic hydrocarbons |

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | | |
|--|--|----------------------|---------|
| DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED | | | 60-100% |
| CAS number: — | | EC number: 926-141-6 | |
| Repeated exposure may cause skin dryness or cracking. | | | |
| Classification Asp. Tox. 1 - H304 | | | |

| | | | |
|---|--|----------------------|---|
| 2-ETHYLHEXYL NITRATE | | | 3-<5.0% |
| CAS number: 27247-96-7 | | EC number: 248-363-6 | UK REACH registration number: UK-01-2930426621-5-0000 |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Aquatic Chronic 2 - H411 | | | |

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| | | |
|---|--|---------------------|
| LONG CHAIN ALKENYL AMIDO ALKYL AMMONIO ACETATE CAS number: 25054-76-6 M factor (Acute) = 1 M factor (Chronic) = 1 | | 0.3-<0.5% |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | | |
| NAPHTHALENE CAS number: 91-20-3 EC number: 202-049-5 M factor (Acute) = 1 M factor (Chronic) = 1 | | -<0.05 |
| Classification Flam. Sol. 2 - H228 Acute Tox. 4 - H302 Carc. 2 - H351 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | | |

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|---|
| General information | Remove affected person from source of contamination. Keep the affected person warm and at rest. Get prompt medical attention. |
| Inhalation | Get medical attention if any discomfort continues. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data Sheet to the medical personnel. |
| Ingestion | Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Get medical attention if irritation persists after washing. |
| Eye contact | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention promptly if symptoms occur after washing. |

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

| | |
|----------------------------|---|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation. |
| Inhalation | No specific symptoms known. |
| Ingestion | May cause discomfort if swallowed. May cause stomach pain or vomiting. |
| Skin contact | Skin irritation. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Blistering may occur. |

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Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. May cause blurred vision and serious eye damage.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No specific precautions due to the small quantities handled. No unusual fire or explosion hazards noted.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Leave danger zone immediately.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Avoid inhalation of spray mist and contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep containers upright. Store in tightly-closed, original container. Keep away from heat, sparks and open flame.

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7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

NAPHTHALENE

Long-term exposure limit (8-hour TWA): 10 53

Short-term exposure limit (15-minute): 15 80

2-ETHYLHEXYL NITRATE (CAS: 27247-96-7)

| | |
|-------------|--|
| DNEL | <p>Workers - Dermal; Long term systemic effects: 1 mg/kg</p> <p>Workers - Dermal; Long term local effects: 0.0044 mg/cm²</p> <p>Workers - Inhalation; Long term systemic effects: 0.35 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 0.52 mg/kg</p> <p>General population - Dermal; Long term local effects: 0.0022 mg/cm²</p> <p>General population - Inhalation; Long term systemic effects: 0.0087 mg/cm²</p> <p>General population - Oral; Long term systemic effects: 0.025 mg/kg</p> |
| PNEC | <p>Fresh water; 0.0008 mg/l</p> <p>marine water; 0.00008 mg/l</p> <p>Sediment (Freshwater); 0.00074 mg/kg</p> <p>Sediment (Marinewater); 0.00074 mg/kg</p> <p>Soil; 0.000191 mg/kg</p> <p>STP; 10 mg/l</p> |

2-ETHYLHEXAN-1-OL (CAS: 104-76-7)

| | |
|-------------|--|
| DNEL | <p>Workers - Dermal; Long term systemic effects: 23 mg/kg</p> <p>Workers - Inhalation; Long term systemic effects: 12.8 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 53.2 mg/m³</p> <p>Workers - Inhalation; Short term local effects: 53.2 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 11.4 mg/kg</p> <p>General population - Inhalation; Long term systemic effects: 2.3 mg/m³</p> <p>General population - Inhalation; Long term local effects: 26.6 mg/m³</p> <p>General population - Inhalation; Short term local effects: 26.6 mg/m³</p> <p>General population - Oral; Long term systemic effects: 1.1 mg/kg</p> |
| PNEC | <p>Fresh water; 0.017 mg/l</p> <p>marine water; 0.002 mg/l</p> <p>Sediment (Freshwater); 0.284 mg/kg</p> <p>Sediment (Marinewater); 0.028 mg/kg</p> <p>Soil; 0.047 mg/kg</p> <p>STP; 10 mg/l</p> |

NAPHTHALENE (CAS: 91-20-3)

| | |
|-------------|--|
| DNEL | <p>Workers - Dermal; Long term systemic effects: 3.57 mg/kg</p> <p>Workers - Inhalation; Long term local effects: 25 mg/m³</p> <p>Workers - Inhalation; Long term systemic effects: 25 mg/m³</p> |
|-------------|--|

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PNEC

Sediment (Freshwater); 0.0672 mg/kg
 Sediment (Marinewater); 0.0672 mg/kg
 STP; 2.9 mg/l
 Soil; 0.0533 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

Hygiene measures

Provide eyewash station and safety shower. Wash contaminated clothing before reuse. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------------|
| Appearance | Clear liquid. |
| Colour | Straw. |
| Odour | Solvent. |
| Melting point | Not determined. |
| Initial boiling point and range | 175°C @ |
| Flash point | >62°C |
| Evaporation rate | Not determined. |
| Upper/lower flammability or explosive limits | Not determined. |
| Vapour pressure | Not determined. |
| Vapour density | Not determined. |
| Relative density | 0.82 g/cm ³ @ 20°C |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | Not determined. |
| Auto-ignition temperature | Not determined. |

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Decomposition Temperature Not determined.

Viscosity <50 cP @ 20°C

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react strongly with the product: Alkaline earth metals. Powdered metal.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Avoid contact with the following materials: Strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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

ATE oral (mg/kg) 11,494.25

Acute toxicity - dermal

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

ATE dermal (mg/kg) 25,287.36

Acute toxicity - inhalation

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

ATE inhalation (gases ppm) 103,448.28

ATE inhalation (vapours mg/l) 252.87

ATE inhalation (dusts/mists mg/l) 34.48

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

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

Aspiration hazard Aspiration hazard if swallowed.

Inhalation Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Ingestion Aspiration hazard if swallowed.

Skin contact Prolonged and frequent contact may cause redness and irritation. May cause an allergic skin reaction.

Eye contact May cause temporary eye irritation.

Medical considerations Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 2200 (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE – UNSPECIFIED) mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

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Mobility The product is insoluble in water and will spread on the water surface.

Adsorption/desorption coefficient Not available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by Regulatory Department

Revision date 01/11/2022

Revision 29

Supersedes date 01/09/2022

SDS status Approved.

Hazard statements in full

H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
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.
EUH208 Contains AMINO LONG CHAIN ALKYL AMIDE. May produce an allergic reaction.