

# Diesel Injector Cleaner



25.08.2022

## SAFETY DATA SHEET

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### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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#### 1.1 Product identifier

Diesel Injector Cleaner

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

Diesel additive

#### 1.3 Details of the supplier of the safety data sheet

Supplier Agro Oil  
Box 30192  
104 25 Stockholm, Sweden  
Telephone +46 (0)10-556 00 00  
E-mail info@agrol.se

#### 1.4 Emergency telephone number

##### Sweden

Swedish Poisons Information Centre 010-456 67 00 (Open 24/7)  
Emergency 112 (Ask for the Poison Centre)

##### Finland

Poison Information Centre 09-471 977 (Open 24/7)  
Emergency 112 (Ask for the Poison Centre)

##### Norway

Norwegian Poison Information Centre 22 59 13 00 (Open 24/7)  
Emergency 113 (Ask for the Poison Centre)

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### SECTION 2. HAZARD IDENTIFICATION

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#### 2.1 Classification of the substance or mixture

Acute Tox. 4, H302  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Aquatic Chronic 2, H411

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### 2.2 Label elements

#### Hazard pictograms



#### Signal word

DANGER

#### Contains

2-ethylhexyl nitrate, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Solvent naphtha (petroleum), heavy aromatic, Distillates (petroleum), hydrotreated light

#### Hazard statements

|      |                                                  |
|------|--------------------------------------------------|
| H302 | Harmful if swallowed                             |
| H304 | May be fatal if swallowed and enters airways     |
| H315 | Causes skin irritation                           |
| H411 | Toxic to aquatic life with long lasting effects. |

#### Precautionary statements

|                    |                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------|
| P102               | Keep out of reach of children.                                                                         |
| P273               | Avoid release to the environment.                                                                      |
| P280               | Wear protective gloves/protective clothing/eye protection/face protection.                             |
| P301 + P330 + P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting.                                                     |
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                                    |
| P501               | Dispose of contents/container to approved waste disposal facility in accordance with local regulations |

#### Other labelling

|        |                                                |
|--------|------------------------------------------------|
| EUH044 | Risk of explosion if heated under confinement. |
|--------|------------------------------------------------|

### 2.3 Other hazards

None known

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## SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS

### 3.2 Mixtures

Classification according to Regulation (EC) No 1272/2008 [CLP]

| Name                                                                  | EC no.       | CAS no.      | REACH reg no.    | % (w/w)  | Hazard statements                                                                                                                                |
|-----------------------------------------------------------------------|--------------|--------------|------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 918-481-9    | -            | 01-2119457273-39 | 40-60    | Asp tox 1, H304                                                                                                                                  |
| 2-ethylhexyl nitrate                                                  | 248-363-6    | 27247-96-7   | 01-2119539586-27 | 30-40    | Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Aquatic Chronic 2, H411<br>EUH044<br>EUH066                                    |
| 2,6-di-tert-butylphenol                                               | 204-884-0    | 128-39-2     | 01-2119538013-51 | 3-7      | Skin irrit 2, H315<br>Aquatic Acute 1, H400<br>Aquatic Chronic,1, H410                                                                           |
| 2-Ethylhexanol                                                        | 203-234-3    | 104-76-7     | 01-2119487289-20 | < 5      | Skin irrit 2, H315<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332<br>STOT SE 3, H335                                                                |
| Polyalkylphenol, alkyl amine                                          | Confidential | Confidential | **               | < 3      | Skin irrit 2, H315                                                                                                                               |
| Solvent naphtha (petroleum), heavy aromatic                           | 265-198-5    | 64742-94-5   | 01-2119463588-24 | 2,5-< 10 | Asp tox 1, H304                                                                                                                                  |
| Distillates (petroleum), hydrotreated light                           | 265-149-8    | 64742-47-8   | 01-2119456620-43 | 3-7      | Asp tox 1, H304<br>STOT SE 3, H336<br>EUH066                                                                                                     |
| Naphthalene                                                           | 202-049-5    | 91-20-3      | 01-2119561346-37 | < 1      | Acute Tox. 4, H302<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                                          |
| 1,2,4-trimethylbenzene                                                | 202-436-9    | 95-63-6      | 01-2119472135-42 | < 1      | Flam liq 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>Aquatic Chronic 2, H411                |
| Phenol, 4-dodecyl-, branched <sup>1</sup>                             | 640-104-9    | 210555-94-5  | 01-2119513207-49 | <0,1     | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Repr. 1B, H360F<br>Aquatic Acute 1, H400<br>M-faktor = 10<br>Aquatic Chronic 1, H410<br>M-faktor = 10 |

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\*\* Not available or REACH registration not required  
1) The substances is listed on the ECHA Candidate List.

## Other information

For a full text of hazard statements: see Section 16

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## SECTION 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures

After inhalation: Fresh air and rest. If difficulties in breathing get medical advice.  
After eye contact: Rinse the eyes gently with water. If symptoms persist consult a doctor.  
After skin contact: Take off contaminated clothing. Wash skin with soap and water  
After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor if experiencing symptoms.

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

Inhalation: In case of overheating, smoke and fumes appear irritating to the upper respiratory tract and lungs.  
Eye: May cause mild eye irritation.  
Skin: Repeated and prolonged contact may appear dehydrating on the skin and cause redness, skin cracking and eczema (dermatitis).  
Ingestion: Small amounts of fluid that can enter the lungs by ingestion or vomiting can lead to chemical pneumonia or pulmonary edema, which can be fatal.

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

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## SECTION 5. FIREFIGHTING MEASURES

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### 5.1 Extinguishing media

Suitable extinguishing media: Can be extinguished using dry powder, foam, waterfog or carbon dioxide.

Unsuitable extinguishing media: Do not use direct water jet.

### 5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and irritating gases may develop.  
May form explosive mixtures with air.  
Risk of explosion if heated under confinement.

### 5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water **only** to cool down containers that are exposed to fire.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition near the spilled product. Avoid contact with eyes and skin. Ensure adequate ventilation in buildings or confined spaces.

### 6.2 Environmental precautions

Stop leak at the source if safe to do so. Do not allow discharge to enter sewers, watercourses or the ground. Inform the competent authorities if the product has polluted the environment (sewage, watercourses, soil or air).

### 6.3 Methods and material for containment and cleaning up

Contain/absorb spillages with suitable absorbent material such as sand, saw dust or vermiculite. Collect in a suitable container. Disposal of waste must be in accordance with national regulations.

### 6.4 Reference to other sections

See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations..

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid inhalation of vapours, mist or fumes. Do not reuse soiled clothing unless laundered.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep cool and dry in a well-ventilated place. Protected from sunlight. Containers must be kept tightly closed and sealed. Keep out of reach of children.

### 7.3 Specific end use

See Section 1.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Exposure limits according to National regulations

AFS 2018:1, Sweden

| Substance                                                             | Cas nr   | NGV<br>ppm | NGV<br>mg/m3 | KTV<br>ppm | KTV<br>mg/m3 | Note   | Year |
|-----------------------------------------------------------------------|----------|------------|--------------|------------|--------------|--------|------|
| Oil mist, including oil fumes                                         | -        | -          | 1            | -          | 3            | 38, 39 | 1990 |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | -        | 50         | 300          | 100        | 600          | H,V    | 2011 |
| 2-Ethylhexanol                                                        | 104-76-7 | 1          | 5,4          | -          | -            | -      | 2018 |
| Naphthalene                                                           | 91-20-3  | 10         | 50           | 15         | 80           | V      | 2000 |

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|                        |         |    |     |    |     |   |      |
|------------------------|---------|----|-----|----|-----|---|------|
| 1,2,4-trimethylbenzene | 95-63-6 | 20 | 100 | 35 | 170 | - | 2018 |
|------------------------|---------|----|-----|----|-----|---|------|

### Note:

38) When heated, some oils give rise to polycyclic aromatic hydrocarbons, which can be carcinogenic. In addition, mineral oils themselves may contain such substances.

39) For a fog of aqueous cutting fluid or the like, where substances other than oils also can be included, the value is applied as the total content of the anhydrous part. For substances with individual lower exposure limit values, they should be applied.

H: The substance can be easily absorbed through the skin

V: Indicative short-term limit value.

### 654/2020, Finland

| Substance                | Cas nr   | HTP<br>8 hours |       | HTP<br>15 minutes |       | Note | Year |
|--------------------------|----------|----------------|-------|-------------------|-------|------|------|
|                          |          | ppm            | mg/m3 | ppm               | mg/m3 |      |      |
| Oil mist                 | -        | -              | 5     | -                 | -     | -    | 1981 |
| 2- ethylhexanol          | 104-76-7 | 1              | 5,4   | -                 | -     | -    | 2014 |
| Petroleum naphtha, grp 1 | -        | -              | 500   | -                 | -     | -    | 2007 |
| Naphthalene              | 91-20-3  | 1              | 5     | 2                 | 10    | -    | 2007 |
| 1,2,4-trimethylbenzene   | 95-63-6  | 20             | 100   | -                 | -     | -    | 1998 |

### Regulations concerning Action and Limit values, Norway

| Name                                            | Cas nr   | ppm | mg/m3 | Note | Last amended |
|-------------------------------------------------|----------|-----|-------|------|--------------|
| Oil vapour                                      | -        | -   | 50    | -    | -            |
| Oil mist (mineral oil particles)                | -        | -   | 1     | -    | -            |
| Decanes and other higher aliphatic hydrocarbons | -        | 40  | 275   | -    | -            |
| 2- ethylhexanol                                 | 104-76-7 | 1   | 5,4   | E    | 2018         |
| Naphthalene                                     | 91-20-3  | 10  | 50    | E    | -            |
| 1,2,4-trimethylbenzene                          | 95-63-6  | 20  | 100   | E    | -            |

E: The EU has adopted a recommended limit value for the substance.

## 8.2 Exposure controls

### Appropriate technical measures

Ensure adequate ventilation. Methods are designed to prevent direct contact.

### Personal protection

|                         |                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory protection: | Use respiratory protection when insufficient ventilation. Respiratory mask with filter A2.                                             |
| Eye/face protection:    | Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.                                     |
| Skin protection:        | Wear protective gloves (polyvinyl alcohol, nitrile, polyethylene / ethylene vinyl alcohol laminate or teflon) and protective clothing. |

### Environmental exposure control

Prevent discharges into drains.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

|                                                           |                                                                                |
|-----------------------------------------------------------|--------------------------------------------------------------------------------|
| Physical state:                                           | Liquid                                                                         |
| Colour:                                                   | Light brown                                                                    |
| Odour:                                                    | Petroleum                                                                      |
| Melting point / freezing point:                           | Not available                                                                  |
| Boiling point or initial boiling point and boiling range: | > 150 °C                                                                       |
| Flammability:                                             | The product is not classified as flammable but can ignite and maintain a fire. |
| Upper / lower flammability or explosive limits:           | Not available                                                                  |
| Flash point:                                              | > 61 °C                                                                        |
| Auto-ignition temperature:                                | >200 °C                                                                        |
| Decomposition temperature:                                | >100 °C                                                                        |
| pH                                                        | Not relevant                                                                   |
| Kinematic viscosity:                                      | <7 mm <sup>2</sup> /S                                                          |
| Solubility:                                               | Insoluble in water, Soluble in hydrocarbons                                    |
| Partition coefficient n-octanol/water:                    | Not available                                                                  |
| Vapour pressure                                           | Not available                                                                  |
| Density and/or relative density:                          | 0,82 g/cm <sup>3</sup>                                                         |
| Relative vapour density:                                  | Not available                                                                  |
| Particle characteristics:                                 | Not relevant (liquid)                                                          |

### 9.2 Other information

9.2.1. Information with regard to physical hazard classes

Not relevant

9.2.2 Other safety characteristics

Not relevant

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## SECTION 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

The product is not reactive under normal conditions.

### 10.2 Chemical stability

The product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

None specific.

### 10.5 Incompatible materials

The product may react with strong oxidizing agents.

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### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11. TOXIKOLOGICAL INFORMATION

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### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

|                                                                       |                                                                                                                                           |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | LD <sub>50</sub> Oral Rat > 5000 mg/kg<br>LD <sub>50</sub> Dermal Rabbit: > 5000 mg/kg<br>LC <sub>50</sub> Inhalation Rat: > 4951 mg/L/4h |
| 2,6-di-tert-butylphenol                                               | LD <sub>50</sub> Oral Rat : > 5000 mg/kg<br>LD <sub>50</sub> Dermal Rat: > 1000 mg/kg<br>LC <sub>50</sub> Dermal Rabbit: > 10 000 mg/kg   |
| 2-Ethylhexanol                                                        | LD <sub>50</sub> Dermal Rat: > 3000 mg/kg<br>LC <sub>50</sub> Inhalation Rat: > 0,89 - <5,3 mg/L/4h                                       |
| Solvent naphtha (petroleum), heavy aromatic                           | LD <sub>50</sub> Oral Rat : 7050 mg/kg<br>LD <sub>50</sub> Dermal Rabbit: > 3160 mg/kg                                                    |
| Distillates (petroleum), hydrotreated light                           | LD <sub>50</sub> Oral Rat: > 5000 mg/kg<br>LD <sub>50</sub> Dermal Rabbit: > 3000 mg/kg                                                   |

#### Corrosive / irritating on the skin

Causes skin irritation.  
2-Ethylhexanol: Skin irritant, rabbit (OECD 404).

#### Serious eye damage / irritation

May cause mild eye irritation.  
2-Ethylhexanol: Eye irritant, rabbit (OECD 405).

#### Respiratory / skin sensitization

Not considered sensitizing.

#### Germ cell mutagenicity

Not considered to be cause mutations in germ cells.

#### Carcinogenicity

Not considered to be carcinogenic.

#### Toxic to reproduction

Not considered to be toxic to reproduction.

#### Specific organ toxicity-single exposure

Fumes can be irritating to the upper respiratory tract and lungs.

#### Specific organ toxicity-repeated exposure

No information available.

#### Aspiration Hazard

The product can cause chemical pneumonia if it is swallowed and enters airways.



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### 11.2 Information on other hazards

#### Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations  $\geq 0.1\%$  (w/w).

## SECTION 12. ECOLOGICAL INFORMATION

The product is classified as hazardous to the environment (H411)

### 12.1 Toxicity

|                                                                       |                                                                                                                                                                                               |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | LC <sub>50</sub> Fish 96 h: 1000 mg/L (Oncorhynchus mykiss)<br>EC <sub>50</sub> Daphnia 48 h: 1000mg/L (D. magna)<br>IC <sub>50</sub> Algae 72 h: 1000 mg/L (Pseudokirchneriella subcapitata) |
| 2-ethylhexyl nitrate                                                  | EC <sub>50</sub> Daphnia 48 h: 0,855 mg/L (D. magna)<br>IC <sub>50</sub> Algae 72 h: 0,615 mg/L (Pseudokirchneriella subcapitata)                                                             |
| 2,6-di-tert-butylphenol                                               | LC <sub>50</sub> Fish 96 h: 1,4 mg/L (Pimephales promelas)<br>EC <sub>50</sub> Daphnia 48 h: 0,45 mg/L (D. magna)<br>IC <sub>50</sub> Algae 72 h: 1000 mg/L (Pseudokirchneriella subcapitata) |
| Distillates (petroleum), hydrotreated light                           | EC <sub>50</sub> Daphnia 48 h: 4720mg/L (D. magna)                                                                                                                                            |
| 1,2,4-Trimethylbenzene                                                | LC <sub>50</sub> Fish 96 h: 7,72 mg/L (Pimephales promelas)<br>EC <sub>50</sub> Daphnia 48 h: 3,6 mg/L (D. magn)<br>IC <sub>50</sub> Algae 72 h: 1,0 mg/L (Pseudokirchneriella subcapitata)   |

### 12.2 Persistence and degradability

Not rapidly biodegradable.

|                                             |                                                                      |
|---------------------------------------------|----------------------------------------------------------------------|
| 2-ethylhexyl nitrate                        | Biodegradable: 0 %, 28 d. (OECD301C).                                |
| 2,6-di-tert-butylphenol                     | Biodegradable: 5 %, 28 d. (OECD301B).                                |
| 2-Ethylhexanol                              | Biodegradable: 99 %, 14 d. (OECD301E).<br>BOD <sub>5</sub> /COD: 0,6 |
| Distillates (petroleum), hydrotreated light | Biodegradable: 11 %, 28 d. (OECD301D).                               |

### 12.3 Bioaccumulative potential

Contains substances that can bioaccumulate.

|                         |                                |
|-------------------------|--------------------------------|
| 2-ethylhexyl nitrate    | BCF = 295,12<br>Log Pow = 4,12 |
| 2,6-di-tert-butylphenol | BCF = 660<br>Log Pow = 4,48    |

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|                                                |                             |
|------------------------------------------------|-----------------------------|
| 2-Ethylhexanol                                 | BCF = 27<br>Log Pow = 3,1   |
| Solvent naphtha (petroleum),<br>heavy aromatic | BCF = 159                   |
| Distillates (petroleum),<br>hydrotreated light | BCF = 159<br>Log Pow = ca 4 |

### 12.4 Mobility in soil

The product is insoluble in water and is not considered to be mobile in soil.

### 12.5 Results of PBT och vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

### 12.6 Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations  $\geq 0.1\%$  (w/w).

### 12.7 Other adverse effects

None known.

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## SECTION 13. DISPOSAL CONSIDERATIONS

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### 13.1 Waste treatment methods

#### Product

Product residues, spills etc. are classified as hazardous waste. Disposal, transportation, storage and handling of the waste must be in accordance with national regulations. Product waste must not be allowed to contaminate soil or water, or released into the environment.

Classified as hazardous waste, with hazardous properties:

HP 4 Irritant – skin irritation and eye damage

HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 Acute Toxicity

HP 14 Ecotoxic

Suggested waste code (EWC): 13 07 03\* other fuels (including mixtures)

Classified as conventional waste according to Commission Regulation (EU) No 1357/2014 on waste.

#### Packaging

EWC-code: 15 01 02, Plastic packaging

EWC-code: 15 01 04, Metallic packaging

Packaging containing product residues that are not drip dry must be handled as hazardous waste and disposed of properly sealed.

EWC-code: 15 01 10\*, Packaging containing residues of or contaminated by hazardous substances.

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## SECTION 14. TRANSPORT INFORMATION

|                                     | ADR/RID                                                                    | ADN                                                                        | IMDG                                                                       | IATA /ICAO                                                                 |
|-------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>14.1 UN-number or ID number</b>  | UN3082                                                                     | UN3082                                                                     | UN3082                                                                     | UN3082                                                                     |
| <b>14.2 UN proper shipping name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ethylhexyl nitrate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ethylhexyl nitrate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ethylhexyl nitrate) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ethylhexyl nitrate) |
| <b>14.3 Transport hazard class</b>  | 9                                                                          | 9                                                                          | 9                                                                          | 9                                                                          |
| <b>14.4 Packing group</b>           | III                                                                        | III                                                                        | III                                                                        | III                                                                        |
| <b>14.5 Environmental hazards</b>   | Yes                                                                        | Yes                                                                        | Yes                                                                        | Yes                                                                        |

### 14.6 Special precautions for user

Tunnel restriction code: ( E )

EmS code: F-A, S-F

### 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

This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2020/878 of 18 June 2020 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

#### Regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

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International Carriage of Dangerous Goods by Road (ADR)  
International Carriage of Dangerous Goods by Rail (RID)  
International Carriage of Dangerous Goods by Inland Waterways (ADN)  
IATA Dangerous goods regulation / ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (IATA / ICAO)  
International Maritime Dangerous Goods Code (IMDG)

### Sweden

AFS 2011:19, amended by AFS 2018:2 (Chemical risks at work)  
AFS 2018:1 (Occupational exposure limits)  
KIFS 2017:7 (Chemical products and Biotechnological organisms Regulation)

### Finland

654/2020 (Occupational exposure limits)  
715/2001 (Chemical risks at work)

### Norway

Regulations concerning the design and layout of workplaces and work premises (the Workplace Regulations)

Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values)

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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## SECTION 16. OTHER INFORMATION

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**Please note!** This safety data sheet is an English translation applicable for Sweden, Norway and Finland. A safety data sheet in local language is also available. Please refer to the Agro Oil webshop for safety data sheets in local languages. <https://webshop.agrol.se/>

### Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

### Hazard statements in Section 3

|       |                                                      |
|-------|------------------------------------------------------|
| H226  | Flammable liquid and vapour.                         |
| H302  | Harmful if swallowed                                 |
| H304  | May be fatal if swallowed and enters airways.        |
| H312  | Harmful in contact with skin.                        |
| H314  | Causes severe skin burns and eye damage.             |
| H315  | Causes skin irritation.                              |
| H318  | Causes serious eye damage.                           |
| H319  | Causes serious eye irritation.                       |
| H332  | Harmful if inhaled.                                  |
| H335  | May cause respiratory irritation.                    |
| H336  | May cause drowsiness or dizziness.                   |
| H351  | Suspected of causing cancer.                         |
| H360F | May damage fertility.                                |
| H400  | Very toxic to aquatic life.                          |
| H410  | Very toxic to aquatic life with long lasting effects |



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|        |                                                       |
|--------|-------------------------------------------------------|
| H411   | Toxic to aquatic life with long lasting effects.      |
| EUH044 | Risk of explosion if heated under confinement.        |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

### Abbreviations

|                  |                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------|
| ADN              | International Carriage of Dangerous Goods by Inland Waterways                                                  |
| ADR              | International Carriage of Dangerous Goods by Road                                                              |
| BCF              | Bio Concentration Factor                                                                                       |
| BOD5/COD         | Biological Oxygen Demand 5 days/Chemical Oxygen demand                                                         |
| BOD (MITI)       | Biological Oxygen Demand                                                                                       |
| DNEL             | Derived No Effect Level                                                                                        |
| EC <sub>50</sub> | Effective Concentration (concentration that gives response in 50% of test subjects)                            |
| ECHA             | European Chemical Agency                                                                                       |
| EmS              | Emergency Schedule Information                                                                                 |
| HTP              | Exposure value, concentrations of impurities in workplace air known to be harmful.                             |
| IARC             | International Agency for Research on Cancer                                                                    |
| IATA/ICAO        | IATA Dangerous goods regulation / ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IC <sub>50</sub> | Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)                     |
| IMDG             | International Maritime Dangerous Goods Code                                                                    |
| KTV              | Short term exposure values, normally 15 minutes                                                                |
| LC <sub>50</sub> | Lethal Concentration (concentration causing the death of 50% of a group of test animals)                       |
| LD <sub>50</sub> | Lethal Dose (dose causing the death of 50% of a group of test animals)                                         |
| Log Pow          | Partition coefficient of octanol - water                                                                       |
| MITI             | Ministry of International Trade and Industry, Japan                                                            |
| NGV              | Long term exposure value, normally 8 hours.                                                                    |
| NOEC             | No Observed Effect Concentration                                                                               |
| NOAEC            | No Observed Adverse Effect Concentration                                                                       |
| NOAEL            | No Observed Adverse Effect Level                                                                               |
| OECD             | Organisation for Economic Co-operation and Development                                                         |
| PBT              | Persistent Bio-accumulative and Toxic substance                                                                |
| PNEC             | Predicted No Effect Concentration                                                                              |
| RID              | International Carriage of Dangerous Goods by Rail                                                              |
| STEL             | Short Term Exposure Limit                                                                                      |
| SVHC             | Substance of Very High Concern                                                                                 |
| TWA              | Time-weighted average                                                                                          |
| vPvB             | very Persistent and very Bioaccumulative                                                                       |

### Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

### References

Information from the supplier: SDS in Swedish version 5.  
Classification & Labelling Inventory Database, ECHA.  
Registered substances, ECHA.

### Version description

The information has been modified under the following sections in the safety data sheet: 1, 3, 5, 8-9, 11-16

The safety data sheet is dated 25.08.2022 and replaces the version dated 2004.2020.