



## SAFETY DATA SHEET STP® Diesel Treatment

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).

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

#### 1.1. Product identifier

**Product name** STP® Diesel Treatment

**Product number** 54200

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

**Identified uses** Fuel additive.

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** Energizer Trading Ltd  
Sword House  
Totteridge Road  
High Wycombe  
HP13 6DG  
UK  
Tel: +44 845 602 1995  
euregulatory@energizer.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 1495 350234  
Monday - Thursday: 0830 - 1700  
Friday: 0830 - 1530

**National emergency telephone number** Product information has been submitted to the UK National Poisons Information Service (NPIS) and is accessible to medical health professionals.

### 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

**Human health** Pneumonia may be the result if vomited material containing solvents reaches the lungs.

#### 2.2. Label elements

##### Hazard pictograms



## STP® Diesel Treatment

<b>Signal word</b>	Danger
<b>Hazard statements</b>	EUH208 Contains amides, C18-unsatd., N-[3-(dimethylamine)propyl]. May produce an allergic reaction. H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P405 Store locked up. P102 Keep out of reach of children. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P331 Do NOT induce vomiting. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
<b>Supplementary precautionary statements</b>	P273 Avoid release to the environment.

### 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

<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>50 - 100%</b>
CAS number: 64742-47-8	EC number: 926-141-6
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>2-ethylhexyl nitrate</b>	<b>5 - &lt;10%</b>
CAS number: 27247-96-7	EC number: 248-363-6
	UK REACH registration number: UK-01-2930426621-5-XXXX
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Aquatic Chronic 2 - H411	
<b>2-ethylhexan-1-ol</b>	<b>0.5 - &lt;1%</b>
CAS number: 104-76-7	EC number: 203-234-3
	UK REACH registration number: UK-01-2180099932-4-XXXX
<b>Classification</b>	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	

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<b>Long-chain alkenyl amido alkyl ammonio acetate</b> <span style="float: right;"><b>0.025 - &lt;0.25%</b></span> CAS number: — <span style="margin-left: 150px;">EC number: 947-523-9</span> M factor (Acute) = 1
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400
<b>amides, C18-unsatd., N-[3-(dimethylamine)propyl]</b> <span style="float: right;"><b>0.025 - &lt;0.25%</b></span> CAS number: — <span style="margin-left: 150px;">EC number: 800-353-8</span> M factor (Acute) = 1 <span style="margin-left: 100px;">M factor (Chronic) = 1</span>
<b>Classification</b> Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1A - H317 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

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	If throat irritation or coughing persists, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Drowsiness. Dizziness.
<b>Ingestion</b>	May cause discomfort if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin contact</b>	May cause sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	May cause irritation.

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

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**Notes for the doctor** Treat symptomatically. Keep affected person under observation.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Use water to keep fire exposed containers cool and disperse vapours.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so. Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use only non-sparking tools. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

#### 6.4. Reference to other sections

**Reference to other sections** See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Keep away from heat, sparks and open flame. Provide adequate ventilation.

**Advice on general occupational hygiene** Avoid contact with eyes and prolonged skin contact. 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. Do not eat, drink or smoke when using this product.

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

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**Storage precautions** Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

### 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

##### 2-ethylhexan-1-ol

Long-term exposure limit (8-hour TWA): WEL 1 ppm 5.4 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

**Ingredient comments** No exposure limits known for ingredient(s).

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS: 64742-47-8)

**DNEL** Not determined.

**PNEC** Not determined.

#### 2-ethylhexyl nitrate (CAS: 27247-96-7)

**DNEL** Workers - Inhalation; Long term systemic effects: 0.35 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 1 mg/kg/day  
 Workers - Dermal; Long term local effects: 44 µg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 87 µg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 0.52 mg/kg/day  
 General population - Dermal; Long term local effects: 22 µg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.025 mg/kg/day

**PNEC** Fresh water; 0.0008 mg/l  
 marine water; 0.00008 mg/l  
 STP; 10 mg/l  
 Sediment (Freshwater); 0.00074 mg/kg  
 Sediment (Marinewater); 0.00074 mg/kg  
 Soil; 0.000191 mg/kg

#### 2-ethylhexan-1-ol (CAS: 104-76-7)

**DNEL** Workers - Inhalation; Long term systemic effects: 12.8 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 53.2 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 53.2 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 23 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 2.3 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 26.6 mg/m<sup>3</sup>  
 General population - Inhalation; Short term local effects: 26.6 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 11.4 mg/kg/day  
 General population - Oral; Long term systemic effects: 1.1 mg/kg/day

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<b>PNEC</b>	Fresh water; 0.017 mg/l
	Fresh water, Intermittent release; 0.17 mg/l
	marine water; 0.002 mg/l
	STP; 10 mg/l
	Sediment (Freshwater); 0.284 mg/kg
	Sediment (Marinewater); 0.028 mg/kg
	Soil; 0.047 mg/kg
Oral; 55 mg/kg	

### Long-chain alkenyl amido alkyl ammonio acetate

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 10.6 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 3 mg/kg
	General population - Inhalation; Long term systemic effects: 2.6 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 1.5 mg/kg
	General population - Oral; Long term systemic effects: 1.5 mg/kg
<b>PNEC</b>	Fresh water; 0.406 µg/l
	marine water; 0.0406 µg/l
	STP; 10 mg/l
	Sediment (Freshwater); 0.501 mg/kg
	Sediment (Marinewater); 0.0501 mg/kg
Soil; 0.1 mg/kg	

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. All handling should only take place in well-ventilated areas. Avoid inhalation of vapours and spray/mists. Use explosion-proof electrical, ventilating and lighting equipment.

### 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: Wear tight-fitting, chemical splash goggles or face shield.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended.

### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### Hygiene measures

Do not smoke in work area. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked.

### Environmental exposure controls

Keep container tightly sealed when not in use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Light (or pale). Amber.
<b>Odour</b>	Characteristic. Kerosene.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not relevant.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	74°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Upper/lower flammability or explosive limits</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.822 @ 15°C
<b>Bulk density</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.
<b>Viscosity</b>	<17.9 cSt @ 40°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Other information</b>	No information required.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Will not polymerise.
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#### 10.4. Conditions to avoid

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**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 10,174.88

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 11,658.72

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 116.59

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** May cause sensitisation or allergic reactions in sensitive individuals.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

#### Carcinogenicity

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

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

#### Aspiration hazard

**Aspiration hazard** Kinematic viscosity ≤ 20.5 mm<sup>2</sup>/s. May be fatal if swallowed and enters airways.



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**Skin contact** Repeated exposure may cause skin dryness or cracking.

### Toxicological information on ingredients.

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 15,000.0

Species Rat

Notes (oral LD<sub>50</sub>) REACH dossier information. Read-across data.

ATE oral (mg/kg) 15,000.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 3,160.0

Species Rabbit

Notes (dermal LD<sub>50</sub>) REACH dossier information. Read-across data.

ATE dermal (mg/kg) 3,160.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 4,951.0

Species Rat

Notes (inhalation LC<sub>50</sub>) REACH dossier information. Read-across data.

ATE inhalation (vapours mg/l) 4,951.0

##### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Read-across data.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 1 second, Rabbit Not irritating. REACH dossier information. Read-across data.

##### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information. Read-across data.

**Genotoxicity - in vivo** Chromosome aberration: Negative. REACH dossier information. Read-across data.

##### Carcinogenicity

**Carcinogenicity** NOAEC 1100 mg/m<sup>3</sup>, Inhalation, Mouse REACH dossier information. Read-across data.

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### Reproductive toxicity

**Reproductive toxicity - fertility** Fertility, One-generation study - NOAEL 750 mg/kg/day, Oral, Rat F1 REACH dossier information. Read-across data.

**Reproductive toxicity - development** Maternal toxicity: - NOAEL:  $\geq$  5220 mg/m<sup>3</sup>, Inhalation, Rat REACH dossier information.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEC > 10400 mg/m<sup>3</sup>, Inhalation, Rat REACH dossier information. Read-across data.

### Aspiration hazard

**Aspiration hazard** 2.4 cSt @ 20°C Asp. Tox. 1 - H304

### 2-ethylhexyl nitrate

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 960.0

**Species** Rat

**ATE oral (mg/kg)** 960.0

### Acute toxicity - dermal

**ATE dermal (mg/kg)** 1,100.0

### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 11.0

### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information.

### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 1 second, Rabbit REACH dossier information. Not irritating.

### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information.

### Reproductive toxicity

**Reproductive toxicity - fertility** Screening - NOAEL 100 mg/kg/day, Oral, Rat F1 REACH dossier information.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 500 mg/kg/day, Dermal, Rabbit REACH dossier information.

### Aspiration hazard

**Aspiration hazard** 1.7 mPa s @ 20°C/68°F REACH dossier information.

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### 2-ethylhexan-1-ol

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 3,290.0

Species Rat

Notes (oral LD<sub>50</sub>) REACH dossier information.

ATE oral (mg/kg) 3,290.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 3,000.0

Species Rat

Notes (dermal LD<sub>50</sub>) REACH dossier information.

ATE dermal (mg/kg) 3,000.0

#### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

#### Skin corrosion/irritation

Animal data Primary dermal irritation index: 6.75 Dose: 0.5 ml, 4 hours, Rabbit REACH dossier information. Highly irritating.

#### Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, 1 second, Rabbit REACH dossier information. Irritating.

#### Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information.

#### Carcinogenicity

Carcinogenicity NOAEL 500 mg/kg/day, Oral, Rat REACH dossier information.

#### Reproductive toxicity

Reproductive toxicity - development Developmental toxicity: - NOAEL: 2520 mg/kg/day, Dermal, Rat REACH dossier information.

#### Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 250 mg/kg/day, Oral, Rat REACH dossier information.

#### Aspiration hazard

Aspiration hazard 4.3 mPa s @ 40°C/104°F REACH dossier information.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

#### Ecological information on ingredients.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

## STP® Diesel Treatment

### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: > 1000 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOELR, 28 days: 0.173 mg/l, Oncorhynchus mykiss (Rainbow trout)  
QSAR  
REACH dossier information.

**Chronic toxicity - aquatic invertebrates** NOELR, 21 days: 1.22 mg/l, Daphnia magna  
QSAR  
REACH dossier information.

### 2-ethylhexyl nitrate

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 2 mg/l, Brachydanio rerio (Zebra Fish)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 12.6 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 48 hours: 3.26 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: > 1000 mg/l, Activated sludge  
REACH dossier information.

### 2-ethylhexan-1-ol

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 17.1 mg/l, Leuciscus idus (Golden orfe)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 39 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 11.5 mg/l, Scenedesmus subspicatus  
REACH dossier information.

## 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### Ecological information on ingredients.

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

**Biodegradation** Water - Degradation ~ 5%: 3 days  
Water - Degradation 69: 28 days  
REACH dossier information.  
Readily biodegradable but failing the 10-day window.

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### 2-ethylhexyl nitrate

<b>Stability (hydrolysis)</b>	pH4 - DT <sub>50</sub> : 1225 minutes @ 50°C/122°F pH7 - DT <sub>50</sub> : 1475 minutes @ 50°C/122°F pH9 - DT <sub>50</sub> : 1702 minutes @ 50°C/122°F REACH dossier information.
<b>Biodegradation</b>	Water - Degradation 0%: 28 days REACH dossier information. No biodegradation observed under test conditions.

### 2-ethylhexan-1-ol

<b>Biodegradation</b>	Water - Degradation 79 - 99.9%: 2 weeks REACH dossier information. The substance is readily biodegradable.
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### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	Not determined.

### Ecological information on ingredients.

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

<b>Partition coefficient</b>	Scientifically unjustified. REACH dossier information.
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### 2-ethylhexyl nitrate

<b>Partition coefficient</b>	log Pow: 5.24 REACH dossier information.
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### 2-ethylhexan-1-ol

<b>Bioaccumulative potential</b>	BCF: 25.33, REACH dossier information.
<b>Partition coefficient</b>	log Pow: 2.9 REACH dossier information.

### 12.4. Mobility in soil

<b>Mobility</b>	The product is soluble in water.
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### Ecological information on ingredients.

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

<b>Mobility</b>	The product has poor water-solubility.
<b>Surface tension</b>	26.4 mN/m @ 25°C

### 2-ethylhexyl nitrate

<b>Adsorption/desorption coefficient</b>	Water - log Koc: 3.75 @ 22°C/72°F REACH dossier information.
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### 2-ethylhexan-1-ol

<b>Surface tension</b>	47 mN/m @ 20°C/68°F REACH dossier information.
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### 12.5. Results of PBT and vPvB assessment

## STP® Diesel Treatment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

**Disposal methods** Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

## 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

**National regulations** EH40/2005 Workplace exposure limits.  
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).  
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

## STP® Diesel Treatment

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>IATA: International Air Transport Association.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>DNEL: Derived No Effect Level.</p> <p>LC50: Lethal Concentration to 50 % of a test population.</p> <p>LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>BCF: Bioconcentration Factor.</p>
<b>Classification procedures according to SI 2019 No. 720</b>	<p>Asp. Tox. 1 - H304: Calculation method., Expert judgement. Aquatic Chronic 3 - H412, EUH208: Calculation method. EUH066: Expert judgement.</p>
<b>Revision comments</b>	Revised formulation. Section 2: Hazards identification // 2.2. Label elements.
<b>Revision date</b>	25/08/2022
<b>Revision</b>	16
<b>Supersedes date</b>	18/08/2021
<b>SDS number</b>	103
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains amides, C18-unsatd., N-[3-(dimethylamine)propyl]. May produce an allergic reaction.</p>

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