



## SAFETY DATA SHEET

### STP® Diesel Winter Treatment

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

##### 1.1. Product identifier

**Product name** STP® Diesel Winter Treatment

**Product number** 55200, 55400

##### 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 (EC 1272/2008)

**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 Winter Treatment

<b>Signal word</b>	Danger
<b>Hazard statements</b>	H412 Harmful to aquatic life with long lasting effects. H304 May be fatal if swallowed and enters airways.
<b>Precautionary statements</b>	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, Hydrocarbons, C10, aromatics, >1% naphthalene
<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	REACH registration number: 01-2119456620-43-XXXX	
<b>Classification</b> Asp. Tox. 1 - H304			
<b>2-ethylhexyl nitrate</b>			<b>10 - &lt;25%</b>
CAS number: 27247-96-7	EC number: 248-363-6	REACH registration number: 01-2119539586-27-XXXX	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Aquatic Chronic 2 - H411			

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<b>Hydrocarbons, C10, aromatics, &gt;1% naphthalene</b>		<b>1 - &lt;2.5%</b>
CAS number: —	EC number: 919-284-0	REACH registration number: 01-2119463588-24-XXXX
This is a complex mixture of constituents, a UVCB substance of variable composition. To prevent over-classification the Carc. 2 – H351 has been removed from the registered classification as it is applied to the constituent chemical Naphthalene (CAS 91-20-3).		
<b>Classification</b> STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>1,2,4-Trimethylbenzene</b>		<b>0.25 - &lt;0.5%</b>
CAS number: 95-63-6	EC number: 202-436-9	
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411		
<b>Naphthalene</b>		<b>0.025 - &lt;0.25%</b>
CAS number: 91-20-3	EC number: 202-049-5	
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Flam. Sol. 2 - H228 Acute Tox. 4 - H302 Carc. 2 - H351 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Mesitylene</b>		<b>0.025 - &lt;0.25%</b>
CAS number: 108-67-8	EC number: 203-604-4	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411		

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

## STP® Diesel Winter Treatment

<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>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	May cause irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically. Keep affected person under observation.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Use water to keep fire exposed containers cool and disperse vapours.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

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**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

**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

##### 1,2,4-Trimethylbenzene

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

##### Mesitylene

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### 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)

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<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 0.35 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 1 mg/kg/day</p> <p>Workers - Dermal; Long term local effects: 44 µg/cm<sup>2</sup></p> <p>General population - Inhalation; Long term systemic effects: 87 µg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 0.52 mg/kg/day</p> <p>General population - Dermal; Long term local effects: 22 µg/cm<sup>2</sup></p> <p>General population - Oral; Long term systemic effects: 0.025 mg/kg/day</p>
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<b>PNEC</b>	<p>Fresh water; 0.0008 mg/l</p> <p>marine water; 0.00008 mg/l</p> <p>STP; 10 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>
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### Hydrocarbons, C10, aromatics, >1% naphthalene

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 151 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 12.5 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 32 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 7.5 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 7.5 mg/kg/day</p>
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<b>PNEC</b>	Not determined.
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### 2-ethylhexan-1-ol (CAS: 104-76-7)

<b>DNEL</b>	<p>Workers - Inhalation; Long term systemic effects: 12.8 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Long term local effects: 53.2 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Short term local effects: 53.2 mg/m<sup>3</sup></p> <p>Workers - Dermal; Long term systemic effects: 23 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 2.3 mg/m<sup>3</sup></p> <p>General population - Inhalation; Long term local effects: 26.6 mg/m<sup>3</sup></p> <p>General population - Inhalation; Short term local effects: 26.6 mg/m<sup>3</sup></p> <p>General population - Dermal; Long term systemic effects: 11.4 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 1.1 mg/kg/day</p>
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<b>PNEC</b>	<p>Fresh water; 0.017 mg/l</p> <p>Fresh water, Intermittent release; 0.17 mg/l</p> <p>marine water; 0.002 mg/l</p> <p>STP; 10 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>Oral; 55 mg/kg</p>
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## 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.

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<b>Eye/face protection</b>	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.
<b>Hand protection</b>	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.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	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.
<b>Respiratory protection</b>	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 'CE'-marked.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Characteristic.
<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>	0.8288
<b>Bulk density</b>	827.4 kg/m³
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.

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Viscosity	2.896 cSt @ 40°C
Explosive properties	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

Other information	No information required.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

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

Possibility of hazardous reactions	Will not polymerise.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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### 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.
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### 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.
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## 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.
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ATE oral (mg/kg)	7,649.71
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#### Acute toxicity - dermal

Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met.
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ATE dermal (mg/kg)	8,765.29
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#### Acute toxicity - inhalation

Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
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ATE inhalation (vapours mg/l)	87.65
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#### Skin corrosion/irritation

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

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

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

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

### 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  $\leq 20.5 \text{ mm}^2/\text{s}$ . May be fatal if swallowed and enters airways.

### 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

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### 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.

### 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: >= 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.

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### 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.

### Hydrocarbons, C10, aromatics, >1% naphthalene

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,558.0

**Species** Rat

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

**ATE oral (mg/kg)** 5,558.0

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). 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. Read-across data.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Chromosome aberration: Negative. REACH dossier information.

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

### Reproductive toxicity

**Reproductive toxicity - fertility** Three-generation study - NOAEC >= 1500 ppm, Inhalation, Rat REACH dossier information. Read-across data.

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**Reproductive toxicity - development** Developmental toxicity: - NOAEL: > 450 mg/kg/day, Oral, Rat REACH dossier information. Read-across data.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEC > 0.38 mg/l, Inhalation, Rat REACH dossier information.

### Aspiration hazard

**Aspiration hazard** 1.38 cSt @ 20°C/68°F REACH dossier information.

### 1,2,4-Trimethylbenzene

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 6,000.0

**Species** Rat

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

**ATE oral (mg/kg)** 6,000.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 3,440.0

**Species** Rat

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

**ATE dermal (mg/kg)** 3,440.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 10.2

**Species** Rat

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

**ATE inhalation (vapours mg/l)** 10.2

#### Skin corrosion/irritation

**Animal data** Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). REACH dossier information. Read-across data. Irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.2 ml, 1 second, Rabbit REACH dossier information. Read-across data. Slightly irritating.

#### 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.

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

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### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 600 mg/kg, Oral, Rat REACH dossier information. Read-across data.

### Aspiration hazard

**Aspiration hazard** 0.63 cSt @ 50°C/122°F REACH dossier information. Not anticipated to present an aspiration hazard, based on chemical structure.

## 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

##### 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.

#### Hydrocarbons, C10, aromatics, >1% naphthalene

##### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 2 - 5 mg/l, Oncorhynchus mykiss (Rainbow trout)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: 10 mg/l, Daphnia magna  
REACH dossier information.

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<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 72 hours: 1 - 3 mg/l, <i>Pseudokirchneriella subcapitata</i> REACH dossier information.
<b>Acute toxicity - microorganisms</b>	NOELR, 48 hours: 1.892 mg/l, <i>Tetrahymena pyriformis</i> REACH dossier information. QSAR
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - fish early life stage</b>	NOELR, 28 days: 0.487 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout) REACH dossier information. QSAR
<b>Chronic toxicity - aquatic invertebrates</b>	NOELR, 21 days: 0.851 mg/l, <i>Daphnia magna</i> REACH dossier information. QSAR

### 1,2,4-Trimethylbenzene

<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 7.72 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 3.6 mg/l, <i>Daphnia magna</i> REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 2.356 mg/l, Freshwater algae REACH dossier information. QSAR

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### Ecological information on ingredients.

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

<b>Biodegradation</b>	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.

#### Hydrocarbons, C10, aromatics, >1% naphthalene

<b>Biodegradation</b>	Water - Degradation 57.95 %: 28 days REACH dossier information. Inherently biodegradable.
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## STP® Diesel Winter Treatment

### 1,2,4-Trimethylbenzene

**Phototransformation** Water - DT<sub>50</sub> : 12 hours  
REACH dossier information.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### Ecological information on ingredients.

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

**Partition coefficient** Scientifically unjustified. REACH dossier information.

### 2-ethylhexyl nitrate

**Partition coefficient** log Pow: 5.24 REACH dossier information.

#### Hydrocarbons, C10, aromatics, >1% naphthalene

**Bioaccumulative potential** No data available on bioaccumulation.

### 1,2,4-Trimethylbenzene

**Bioaccumulative potential** BCF: 243, Pimephales promelas (Fat-head Minnow) QSAR REACH dossier information.

**Partition coefficient** log Kow: 3.65 REACH dossier information.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### Ecological information on ingredients.

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

**Mobility** The product has poor water-solubility.

**Surface tension** 26.4 mN/m @ 25°C

### 2-ethylhexyl nitrate

**Adsorption/desorption coefficient** Water - log Koc: 3.75 @ 22°C/72°F REACH dossier information.

#### Hydrocarbons, C10, aromatics, >1% naphthalene

**Surface tension** 30.4 mN/m @ 25°C/77°F REACH dossier information.

### 1,2,4-Trimethylbenzene

**Adsorption/desorption coefficient** Soil - log Koc 3.04 REACH dossier information. QSAR

### 12.5. Results of PBT and vPvB assessment

## STP® Diesel Winter 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

## 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 Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## 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.

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



## STP® Diesel Winter Treatment

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
	RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
	IMDG: International Maritime Dangerous Goods.
	IATA: International Air Transport Association.
	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	ATE: Acute Toxicity Estimate.
	DNEL: Derived No Effect Level.
	LC <sub>50</sub> : Lethal Concentration to 50 % of a test population.
	LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose).
	PBT: Persistent, Bioaccumulative and Toxic substance.
	vPvB: Very Persistent and Very Bioaccumulative.
	BCF: Bioconcentration Factor.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Asp. Tox. 1 - H304: Calculation method., On basis of test data. Aquatic Chronic 3 - H412: Calculation method.
<b>Revision comments</b>	Section 1: Identification of the substance/mixture and of the company/undertaking // 1.3. Details of the supplier of the safety data sheet.
<b>Revision date</b>	19/03/2020
<b>Revision</b>	17
<b>Supersedes date</b>	17/05/2019
<b>SDS number</b>	116
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour.
	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.
	H335 May cause respiratory irritation.
	H336 May cause drowsiness or dizziness.
	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.

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