

**SAFETY DATA SHEET****STP® Diesel Particulate Filter Cleaner**

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 Particulate Filter Cleaner**Product number** 66200**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 Armored Auto UK Ltd
Unit 16
Rassau Industrial Estate
Ebbw Vale
Gwent
NP23 5SD
UK
Tel: +44 1495 350234
Fax: +44 1495 350431
euregulatory@eu.spectrumbrands.com

1.4. Emergency telephone number

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

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****Pictogram****Signal word** Danger

STP® Diesel Particulate Filter Cleaner

Hazard statements	H412 Harmful to aquatic life with long lasting effects. H304 May be fatal if swallowed and enters airways.
Precautionary statements	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.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
Supplementary precautionary statements	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

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			50 - 100%
CAS number: 64742-47-8	EC number: 926-141-6	REACH registration number: 01-2119456620-43-XXXX	
Classification Asp. Tox. 1 - H304			
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics			2 - <3%
CAS number: 246538-78-3	EC number: 920-901-0	REACH registration number: 01-2119456810-40-XXXX	
Classification Asp. Tox. 1 - H304			
Organometallic iron compound			1 - <2.5%
CAS number: —	EC number: 479-710-1	REACH registration number: 01-0000020037-79-XXXX	
Classification STOT RE 2 - H373 Aquatic Chronic 4 - H413			

STP® Diesel Particulate Filter Cleaner

Hydrocarbons, C10, aromatics, >1% naphthalene			0.5 - <1%
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).			
Classification STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			

1,2,4-Trimethylbenzene			0.025 - <0.25%
CAS number: 95-63-6	EC number: 202-436-9		
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411			

Ferrocene			0.025 - <0.25%
CAS number: 102-54-5	EC number: 203-039-3	REACH registration number: 01-2119978280-34-XXXX	
M factor (Chronic) = 10			
Classification Flam. Sol. 1 - H228 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Repr. 1B - H360FD STOT RE 2 - H373 Aquatic Chronic 1 - H410			

Phenol, dodecyl-, branched			0.025 - <0.25%
CAS number: 121158-58-5	EC number: 310-154-3	REACH registration number: 01-2119513207-49-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 10		
Classification Skin Corr. 1C - H314 Eye Dam. 1 - H318 Repr. 2 - H361f Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			

STP® Diesel Particulate Filter Cleaner

Mesitylene	0.025 - <0.25%
CAS number: 108-67-8	EC number: 203-604-4
Classification 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

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse.

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

Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause discomfort if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
-----------------------------	---

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

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

Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
--	---

STP® Diesel Particulate Filter Cleaner

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.

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 suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. 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.

Advice on general occupational hygiene Avoid contact with eyes and prolonged skin contact. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

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. Store locked up.

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/m³

Mesitylene

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

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.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics (CAS: 246538-78-3)

DNEL Not determined.

STP® Diesel Particulate Filter Cleaner

PNEC	Not determined.
	<u>Hydrocarbons, C10, aromatics, >1% naphthalene</u>
DNEL	Workers - Inhalation; Long term systemic effects: 151 mg/m ³ Workers - Dermal; Long term systemic effects: 12.5 mg/kg/day General population - Inhalation; Long term systemic effects: 32 mg/m ³ General population - Dermal; Long term systemic effects: 7.5 mg/kg/day General population - Oral; Long term systemic effects: 7.5 mg/kg/day
PNEC	Not determined.
	<u>Ferrocene (CAS: 102-54-5)</u>
DNEL	Workers - Inhalation; Long term systemic effects: 0.02 mg/m ³ Workers - Inhalation; Short term systemic effects: 0.04 mg/m ³ Workers - Dermal; Long term systemic effects: 0.025 mg/kg/day General population - Inhalation; Long term systemic effects: 0.005 mg/m ³ General population - Dermal; Long term systemic effects: 0.013 mg/kg/day General population - Oral; Long term systemic effects: 0.013 mg/kg/day
PNEC	Fresh water; 0 mg/l marine water; 0 mg/l STP; 0.876 mg/l

8.2. Exposure controls

Protective equipment



Eye/face protection

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

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material.

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Burnt orange Brown.
Odour	Characteristic.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	77°C

STP® Diesel Particulate Filter Cleaner

Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	0.8050
Bulk density	803.5 kg/m ³
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
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.
-------------------	--------------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids. Oxidising materials.
------------	---

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
-----------	---

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
------------------------------------	----------------------

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
--------------------	--------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Toxic gases or vapours.
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
--------------------------------	--

Acute toxicity - dermal

STP® Diesel Particulate Filter Cleaner

Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
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.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Kinematic viscosity ≤ 20.5 mm ² /s. Asp. Tox. 1 - H304 Aspiration hazard if swallowed.
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 (LD₅₀ 15,000.0
mg/kg)

Species Rat

Notes (oral LD₅₀) REACH dossier information. Read-across data.

ATE oral (mg/kg) 15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 3,160.0
mg/kg)

Species Rabbit

STP® Diesel Particulate Filter Cleaner

Notes (dermal LD₅₀)	REACH dossier information. Read-across data.
ATE dermal (mg/kg)	3,160.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	4,951.0
Species	Rat
Notes (inhalation LC₅₀)	REACH dossier information. Read-across data.
ATE inhalation (vapours mg/l)	4,951.0
<u>Skin corrosion/irritation</u>	
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.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 ml, 1 second, Rabbit Not irritating. REACH dossier information. Read-across data.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Read-across data.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Read-across data.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEC 1100 mg/m ³ , Inhalation, Mouse REACH dossier information. Read-across data.
<u>Reproductive toxicity</u>	
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 ³ , Inhalation, Rat REACH dossier information.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEC > 10400 mg/m ³ , Inhalation, Rat REACH dossier information. Read-across data.
<u>Aspiration hazard</u>	
Aspiration hazard	2.4 cSt @ 20°C Asp. Tox. 1 - H304
<u>Hydrocarbons, C11-C13, isoalkanes, <2% aromatics</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	15,000.0
Species	Rat

STP® Diesel Particulate Filter Cleaner

Notes (oral LD₅₀)	REACH dossier information. Read-across data.
ATE oral (mg/kg)	15,000.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	3,160.0
Species	Rabbit
Notes (dermal LD₅₀)	REACH dossier information. Read-across data.
ATE dermal (mg/kg)	3,160.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	4,951.0
Species	Rat
Notes (inhalation LC₅₀)	REACH dossier information. Read-across data.
ATE inhalation (vapours mg/l)	4,951.0
<u>Skin corrosion/irritation</u>	
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.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 ml, 1 second, Rabbit Not irritating. REACH dossier information. Read-across data.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Chromosome aberration: Negative. REACH dossier information. Read-across data.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Read-across data.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEC 1100 mg/m ³ , Inhalation, Mouse REACH dossier information. Read-across data.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility - NOAEL 750 mg/kg/day, Oral, Rat F1 REACH dossier information. Read-across data.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: ≥ 5220 mg/m ³ , Inhalation, Rat REACH dossier information.
<u>Aspiration hazard</u>	
Aspiration hazard	1.77 cSt @ 20°C/68°F REACH dossier information. Asp. Tox. 1 - H304

Hydrocarbons, C10, aromatics, >1% naphthalene

STP® Diesel Particulate Filter Cleaner

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,558.0

Species Rat

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 5,558.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >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.

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.

Ferrocene

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,320.0

Species Rat

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 1,320.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,000.0

STP® Diesel Particulate Filter Cleaner

Species	Rat
Notes (dermal LD₅₀)	REACH dossier information.
ATE dermal (mg/kg)	3,000.0
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	cATpE: Converted Acute Toxicity Point Estimate.
ATE inhalation (vapours mg/l)	11.0
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 g, 4 hours, Rabbit Primary dermal irritation index: 0.5 / 1 REACH dossier information.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 g, 72 hours, Rabbit REACH dossier information. Not irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. REACH dossier information.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOEL 5 mg/kg/day, Oral, Rat P, F1 REACH dossier information.

Phenol, dodecyl-, branched

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	2,100.0
Species	Rat
Notes (oral LD₅₀)	REACH dossier information.
ATE oral (mg/kg)	2,100.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	15,000.0
Species	Rabbit
Notes (dermal LD₅₀)	REACH dossier information.
ATE dermal (mg/kg)	15,000.0
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Skin Irrit. 2 - H315 Causes skin irritation.

STP® Diesel Particulate Filter Cleaner

Animal data Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Severe erythema (beef redness) to eschar formation preventing grading of erythema (4). Oedema score: Moderate oedema - raised approximately 1 mm (3). Primary dermal irritation index: 6.2 REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, 24 - 72 hours, Rabbit REACH dossier information. Eye Irrit. 2 - H319 Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Buehler test - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

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

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

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEL 1.5 mg/kg/day, Oral, Rat F1 REACH dossier information. Repr. 2 - H361f Suspected of damaging fertility.

Reproductive toxicity - development Maternal toxicity: - NOAEL: 100 mg/kg/day, Oral, Rat REACH dossier information.

Aspiration hazard

Aspiration hazard Kinematic viscosity > 20.5 mm²/s. REACH dossier information.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Aquatic Chronic 3 - H412

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.

Acute toxicity - aquatic invertebrates EL₅₀, 48 hours: > 1000 mg/l, Daphnia magna REACH dossier information.

Acute toxicity - aquatic plants EL₅₀, 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.

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Acute aquatic toxicity

STP® Diesel Particulate Filter Cleaner

Acute toxicity - fish LL₅₀, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.
Read-across data.

Acute toxicity - aquatic invertebrates EL₅₀, 48 hours: > 1000 mg/l, Daphnia magna
REACH dossier information.
Read-across data.

Acute toxicity - aquatic plants EL₅₀, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.
Read-across data.

Acute toxicity - microorganisms EL₅₀, 5 hours: > 1.52 mg/l, Pseudomonas putida
REACH dossier information.
Read-across data.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOELR, 28 days: 0.217 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.
QSAR

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 1 mg/l, Daphnia magna
REACH dossier information.

Hydrocarbons, C10, aromatics, >1% naphthalene

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 2 - 5 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.

Acute toxicity - aquatic invertebrates EL₅₀, 48 hours: 10 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants EL₅₀, 72 hours: 1 - 3 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

Acute toxicity - microorganisms NOELR, 48 hours: 1.892 mg/l, Tetrahymena pyriformis
REACH dossier information.
QSAR

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOELR, 28 days: 0.487 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.
QSAR

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 0.851 mg/l, Daphnia magna
REACH dossier information.
QSAR

Ferrocene

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: 24.5 mg/l, Leuciscus idus (Golden orfe)
REACH dossier information.

Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 2.5 mg/l, Daphnia magna
REACH dossier information.

STP® Diesel Particulate Filter Cleaner

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1.03 mg/l, *Desmodesmus subspicatus*
REACH dossier information.

Acute toxicity - microorganisms NOEC, 6 hours: > 87.6 mg/kg, *Pseudomonas putida*
REACH dossier information.

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

M factor (Chronic) 10

Chronic toxicity - fish early life stage NOEC, 14 days: 1.5 mg/l, *Leuciscus idus* (Golden orfe)
REACH dossier information.

Chronic toxicity - aquatic invertebrates NOEC, 21 days: ~ 0.0015 mg/l, *Daphnia magna*
REACH dossier information.

Phenol, dodecyl-, branched

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 10

Acute toxicity - fish EL₅₀, 96 hours: 40 mg/l, *Pimephales promelas* (Fat-head Minnow)
NOELR, 96 hours: 25 mg/l, *Pimephales promelas* (Fat-head Minnow)
REACH dossier information.

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.037 mg/l, *Daphnia magna*
NOEC, 48 hours: 0.011 mg/l, *Daphnia magna*
REACH dossier information.

Acute toxicity - aquatic plants EC₅₀, 72 hours: 0.15 mg/l, *Scenedesmus subspicatus*
NOEC, 72 hours: 0.07 mg/l, *Scenedesmus subspicatus*
REACH dossier information.

Acute toxicity - microorganisms EC₅₀, 3 hours: > 1000 mg/l, Activated sludge
NOEC, 3 hours: 1000 mg/l, Activated sludge
REACH dossier information.

Chronic aquatic toxicity

NOEC 0.001 < NOEC ≤ 0.01

Degradability Non-rapidly degradable

M factor (Chronic) 10

Chronic toxicity - aquatic invertebrates EC₅₀, 21 days: 0.0079 mg/l, *Daphnia magna*
NOEC, 21 days: 0.0037 mg/l, *Daphnia magna*
LOEC, 21 days: 0.012 mg/l, *Daphnia magna*
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

STP® Diesel Particulate Filter Cleaner

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

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Biodegradation Water - Degradation (31.3%): 28 days
REACH dossier information.
Read-across data.
Inherently biodegradable.

Hydrocarbons, C10, aromatics, >1% naphthalene

Biodegradation Water - Degradation 57.95 %: 28 days
REACH dossier information.
Inherently biodegradable.

Ferrocene

Biodegradation Water - Degradation (56%): 28 days
REACH dossier information.
Inherently biodegradable.

Phenol, dodecyl-, branched

Persistence and degradability Not readily biodegradable.

Biodegradation Water - Degradation (10%): 56 days
REACH dossier information.
Not inherently biodegradable.

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.

Hydrocarbons, C10, aromatics, >1% naphthalene

Bioaccumulative potential No data available on bioaccumulation.

Ferrocene

Partition coefficient log Pow: 3.711 REACH dossier information.

Phenol, dodecyl-, branched

Bioaccumulative potential BCF: 289, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.

Partition coefficient log Pow: 7.14 REACH dossier information.

STP® Diesel Particulate Filter Cleaner

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

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Surface tension 24.1 mN/m @ 25°C/77°F REACH dossier information.

Hydrocarbons, C10, aromatics, >1% naphthalene

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

Ferrocene

Adsorption/desorption coefficient - log Koc: ~ 3 @ 25°C/77°F REACH dossier information.

Phenol, dodecyl-, branched

Adsorption/desorption coefficient Water - Log Koc: 0.000104 - 0.000471 @ 30°C REACH dossier information.

Surface tension 42.2 mN/m @ 22°C

12.5. Results of PBT and vPvB assessment

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

STP® Diesel Particulate Filter Cleaner

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.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet 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.
LC₅₀: Lethal Concentration to 50 % of a test population.
LD₅₀: 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.

Classification procedures according to Regulation (EC) 1272/2008 Asp. Tox. 1 - H304: Calculation method. Aquatic Chronic 3 - H412: Calculation method.

Revision comments Revised formulation.

Revision date 07/08/2018

Revision 8

STP® Diesel Particulate Filter Cleaner

Supersedes date	23/09/2015
SDS number	132
Hazard statements in full	H226 Flammable liquid and vapour. H228 Flammable solid. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. 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. H360FD May damage fertility. May damage the unborn child. H361f Suspected of damaging fertility if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. H373 May cause damage to organs (Liver) through prolonged or repeated exposure if swallowed or if inhaled.

The information supplied here is accurate to the best knowledge and belief of Armored Auto UK Ltd, it is however, not intended as a warranty or representation, and should not be construed as such, for which Armored Auto UK Ltd assumes any legal responsibility. Any information or advice obtained from Armored Auto UK Ltd other than by means of this publication, and whether relating to Armored Auto UK Ltd's products or other materials is also given in good faith. It remains at all times the responsibility of the customer, and user, to ensure that the materials are suitable for the particular purpose intended. Materials not manufactured, or supplied, by Armored Auto UK Ltd when used instead of, or in conjunction with materials supplied by Armored Auto UK Ltd, it is the customer's responsibility to ensure that all technical, and other information related to such materials is obtained from the manufacturer or supplier. Armored Auto UK Ltd accepts no liability for the data contained within this document, as the information herein may be applied under conditions beyond our control, and in situations with which we may be unfamiliar. The information contained within this document is furnished upon condition that the customer and user of this product makes his own determination of the suitability of the product for his particular purpose.