SAFETY DATA SHEET
STP® Complete Fuel System Cleaner 400ml (Petrol)

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® Complete Fuel System Cleaner 400ml (Petrol)

Product number 50400

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® Complete Fuel System Cleaner 400ml (Petrol)

Hazard statements	H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.
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, C10, aromatics, >1% naphthalene
Supplementary precautionary statements	P405 Store locked up.

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: — EC number: 926-141-6 REACH registration number: 01-2119456620-43-XXXX

Classification
Asp. Tox. 1 - H304

Hydrocarbons, C10, aromatics, >1% naphthalene **2.5 - <5%**

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

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Naphthalene		**0.25 - <0.5%**
CAS number: 91-20-3	EC number: 202-049-5	
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification
Flam. Sol. 2 - H228
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Carc. 2 - H351
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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

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

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Inhalation 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.

Ingestion 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.

Skin contact 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.

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Eye contact 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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Drowsiness. 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 irritation.

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

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 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

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.

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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/m³

Mesitylene

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

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.

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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 'CE'-marked.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light (or pale). Straw.
Odour	Characteristic.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not relevant.
Initial boiling point and range	Not determined.
Flash point	75°C
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not relevant.
Upper/lower flammability or explosive limits	Not relevant.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	0.8222
Bulk density	820.7 kg/m³
Partition coefficient	Not determined.
Auto-ignition temperature	Not relevant.
Decomposition Temperature	Not relevant.
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

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Reactivity There are no known reactivity hazards associated with this product.

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 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_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Based on available data the classification criteria are not met.

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 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.

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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 mm²/s. May be fatal if swallowed and enters airways.

Toxicological information on ingredients.

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

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	15,000.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information. Read-across data.
ATE oral (mg/kg)	15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,160.0
Species	Rabbit
Notes (dermal LD_{50})	REACH dossier information. Read-across data.
ATE dermal (mg/kg)	3,160.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	4,951.0
Species	Rat
Notes (inhalation LC_{50})	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

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Carcinogenicity	NOAEC 1100 mg/m³, 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/m³, Inhalation, Rat REACH dossier information.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEC > 10400 mg/m³, Inhalation, Rat REACH dossier information. Read-across data.

Aspiration hazard

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

Hydrocarbons, C10, aromatics, >1% naphthalene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,558.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information.
ATE oral (mg/kg)	5,558.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rabbit
Notes (dermal LD_{50})	REACH dossier information.
ATE dermal (mg/kg)	2,001.0

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

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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.

Naphthalene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	533.0
Species	Mouse
Notes (oral LD_{50})	REACH dossier information.
ATE oral (mg/kg)	533.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Rat
Notes (dermal LD_{50})	REACH dossier information.
ATE dermal (mg/kg)	2,500.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data	Dose: 0.5 g, 24 hours, Rabbit Primary dermal irritation index: 1.75 Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: Very slight oedema - barely perceptible (1). REACH dossier information. Irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.1 g, 24 hours, Guinea pig REACH dossier information. Irritating to eyes.

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

Carcinogenicity

IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.

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Reproductive toxicity

Reproductive toxicity - development	Developmental toxicity: - NOEL: 400 mg/kg/day, Oral, Rabbit REACH dossier information. No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	NOAEL 133 mg/kg/day, Oral, Mouse REACH dossier information.

Aspiration hazard

Aspiration hazard	1.03 cSt @ 85°C/185°F REACH dossier information.

1,2,4-Trimethylbenzene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	6,000.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information.
ATE oral (mg/kg)	6,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,440.0
Species	Rat
Notes (dermal LD_{50})	REACH dossier information. Read-across data.
ATE dermal (mg/kg)	3,440.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	10.2
Species	Rat
Notes (inhalation LC_{50})	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.

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

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.

Mesitylene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	6,000.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information. Read-across data.
ATE oral (mg/kg)	6,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rat
Notes (dermal LD_{50})	REACH dossier information. Read-across data.
ATE dermal (mg/kg)	2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	10.2
Species	Rat
Notes (inhalation LC_{50})	REACH dossier information. Read-across data.
ATE inhalation (dusts/mists 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.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.2 ml, 1 second, Rabbit REACH dossier information. Read-across data. Eye Irrit. 2 - H319

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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Reproductive toxicity

Reproductive toxicity - fertility Multi-generation study - NOAEC 500 ppm, Inhalation, Rat REACH dossier information. Read-across data.

Reproductive toxicity - development Maternal toxicity: - NOAEC: 492 mg/m³, Inhalation, Rat REACH dossier information.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H335 May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 600 mg/kg/day, Oral, Rat REACH dossier information.

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_{50}, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.

Acute toxicity - aquatic invertebrates EL_{50}, 48 hours: > 1000 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants EL_{50}, 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, C10, aromatics, >1% naphthalene

Acute aquatic toxicity

Acute toxicity - fish LL_{50}, 96 hours: 2 - 5 mg/l, Oncorhynchus mykiss (Rainbow trout)
REACH dossier information.

Acute toxicity - aquatic invertebrates EL_{50}, 48 hours: 10 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants EL_{50}, 72 hours: 1 - 3 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

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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

Naphthalene

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 6.08 mg/l, Pimephales promelas (Fat-head Minnow) LC_{50}, 96 hours: 1.6 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 2.16 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - microorganisms	IC_{50}, 24 hours: 29 mg/l, Nitrosomonas REACH dossier information.

Chronic aquatic toxicity

M factor (Chronic)	1
Chronic toxicity - fish early life stage	LC_{50}, 96 hours: 2.1 mg/l, Oncorhynchus kisutch (Coho salmon) REACH dossier information.

1,2,4-Trimethylbenzene

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 7.72 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3.6 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC_{50}, 96 hours: 2.356 mg/l, Freshwater algae REACH dossier information. QSAR

Mesitylene

Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 12.52 mg/l, Carassius auratus (Goldfish) REACH dossier information.

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Acute toxicity - aquatic invertebrates	LC_{50}, 48 hours: 6 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC_{50}, 48 hours: 25 mg/l, Desmodesmus subspicatus REACH dossier information.
Chronic aquatic toxicity	
NOEC	
Degradability	--
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 2 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

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

Hydrocarbons, C10, aromatics, >1% naphthalene

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

Naphthalene

Biodegradation	Water - Degradation 99.9: 15.2±8.4 days REACH dossier information. The substance is readily biodegradable.

1,2,4-Trimethylbenzene

Phototransformation	Water - DT_{50} : 12 hours REACH dossier information.

Mesitylene

Biodegradation	- Degradation (50%): 4.4 days REACH dossier information. QSAR The substance is readily 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

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Partition coefficient Scientifically unjustified. REACH dossier information.

Hydrocarbons, C10, aromatics, >1% naphthalene

Bioaccumulative potential No data available on bioaccumulation.

Naphthalene

Bioaccumulative potential BCF: 36.5 - 168, Cyprinus carpio (Common carp) The product is not bioaccumulating. REACH dossier information.

Partition coefficient log Pow: 3.4 REACH dossier information.

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.

Mesitylene

Bioaccumulative potential BCF: 161, Pimephales promelas (Fat-head Minnow) REACH dossier information. QSAR

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, C10, aromatics, >1% naphthalene

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

Naphthalene

Adsorption/desorption coefficient Water - Koc: 664 @ 10°C/50°F REACH dossier information.

1,2,4-Trimethylbenzene

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

Mesitylene

Adsorption/desorption coefficient Water - log Koc : 2.87 REACH dossier information. QSAR

12.5. Results of PBT and vPvB assessment

STP® Complete Fuel System Cleaner 400ml (Petrol)

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 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.

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.

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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.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: 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: On basis of test data., Calculation method. Aquatic Chronic 3 - H412: Calculation method.

Revision comments

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Revision date

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Revision

9

Supersedes date

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SDS number

128

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.
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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