



## SAFETY DATA SHEET

### STP® Petrol Injector 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® Petrol Injector Cleaner  
**Product number** 53200, 53400

##### 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® Petrol Injector Cleaner

<b>Hazard statements</b>	H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects.
<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, Solvent naphtha (petroleum), heavy arom., Solvent naphtha (petroleum), light arom.
<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>	50 - 100%	
CAS number: —	EC number: 926-141-6	REACH registration number: 01-2119456620-43-XXXX
<b>Classification</b> Asp. Tox. 1 - H304		
<b>Solvent naphtha (petroleum), heavy arom.</b>	5 - <10%	
CAS number: 64742-94-5		EC number: 265-198-5
<b>Classification</b> STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>Polyolefin alkyl phenol alkyl amine</b>	2.5 - <5%	
CAS number: —		
<b>Classification</b> Skin Irrit. 2 - H315		

## STP® Petrol Injector Cleaner

<b>Solvent naphtha (petroleum), light arom.</b> CAS number: 64742-95-6                      EC number: 265-199-0 Contains <0.1% benzene	<b>1 - &lt;2.5%</b>
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
<b>1,2,4-Trimethylbenzene</b> CAS number: 95-63-6                      EC number: 202-436-9	<b>1 - &lt;2.5%</b>
<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>Mesitylene</b> CAS number: 108-67-8                      EC number: 203-604-4	<b>0.5 - &lt;1%</b>
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Aquatic Chronic 2 - H411	
<b>Naphthalene</b> CAS number: 91-20-3                      EC number: 202-049-5 M factor (Acute) = 1                      M factor (Chronic) = 1	<b>0.5 - &lt;1%</b>
<b>Classification</b> Acute Tox. 4 - H302 Carc. 2 - H351 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Inhalation</b>	If throat irritation or coughing persists, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

## STP® Petrol Injector Cleaner

<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.
-----------------------------	----------------------------------------------------------------

## 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

<b>Personal precautions</b>	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

## STP® Petrol Injector Cleaner

**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>

##### Naphthalene

Short-term exposure limit (15-minute): WEL 15 ppm 80 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): WEL 10 ppm 53 mg/m<sup>3</sup>

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.

## STP® Petrol Injector Cleaner

<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>	Colourless to pale yellow.
<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>	70.5°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>	0.8232
<b>Bulk density</b>	821.8 kg/m <sup>3</sup>
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.

## STP® Petrol Injector Cleaner

<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	No information required.
--------------------------	--------------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
-------------------	---------------------------------------------------------------------

### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
------------------	---------------------------------------------------------------------

### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Will not polymerise.
-------------------------------------------	----------------------

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
----------------------------	-----------------------------------------------------

### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
---------------------------	------------------------------------------------------------------------------------------------------------------

### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	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

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

#### Acute toxicity - dermal

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

#### Acute toxicity - inhalation

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

<b>ATE inhalation (vapours mg/l)</b>	749.42
--------------------------------------	--------

#### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
----------------------------------	------------------------------------------------------------------

#### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
--------------------------------------	------------------------------------------------------------------

#### Respiratory sensitisation

<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
----------------------------------	------------------------------------------------------------------

#### Skin sensitisation

<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
---------------------------	------------------------------------------------------------------

## STP® Petrol Injector Cleaner

### 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

##### Skin corrosion/irritation



## STP® Petrol Injector Cleaner

**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

### Solvent naphtha (petroleum), heavy arom.

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

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

**ATE oral (mg/kg)** 5,000.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rabbit

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

**ATE dermal (mg/kg)** 2,001.0

#### Acute toxicity - inhalation

## STP® Petrol Injector Cleaner

<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	590.0
<b>Species</b>	Rat
<b>Notes (inhalation LC<sub>50</sub>)</b>	US Department of Commerce NTIS Vol. OTS0534724
<b>ATE inhalation (vapours mg/l)</b>	590.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Dose: 0.5 ml, 24 hours, Rabbit Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.1 ml, 1 minute, Rabbit REACH dossier information. Not irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Buehler test - Guinea pig: Not sensitising. REACH dossier information.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Gene mutation: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	LOAEL 250 mg/kg/day, Dermal, Mouse REACH dossier information. No evidence of carcinogenicity in animal studies.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Fertility - NOAEL 750 mg/kg/day, Oral, Rat P REACH dossier information.
<b>Reproductive toxicity - development</b>	Embryotoxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat REACH dossier information.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEL 750 mg/kg/day, Oral, Rat NOAEC >= 24 mg/m <sup>3</sup> , Inhalation, Rat REACH dossier information.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	1 - 2.4 cSt @ 40°C/104°F REACH dossier information. Kinematic viscosity ≤ 20.5 mm <sup>2</sup> /s.
<b><u>Solvent naphtha (petroleum), light arom.</u></b>	
<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	5,000.0
<b>Species</b>	Rat
<b>Notes (oral LD<sub>50</sub>)</b>	REACH dossier information.
<b>ATE oral (mg/kg)</b>	5,000.0
<b><u>Acute toxicity - dermal</u></b>	

## STP® Petrol Injector Cleaner

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** 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: Moderate to severe erythema (3). Oedema score: Slight oedema - edges of area well defined by definite raising (2). REACH dossier information.

### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.1 ml, 1-2 seconds, Rabbit REACH dossier information. Not irritating.

### 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. Read-across data.

### Reproductive toxicity

**Reproductive toxicity - fertility** Two-generation study - NOAEC ≥ 20000 mg/m<sup>3</sup>, Inhalation, Rat REACH dossier information.

**Reproductive toxicity - development** Maternal toxicity: - NOAEL: 23900 mg/m<sup>3</sup>, Inhalation, Rat REACH dossier information.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H335, H336 May cause respiratory irritation. May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEC 1402 mg/m<sup>3</sup>, Inhalation, Rat, Mouse REACH dossier information.

### Aspiration hazard

**Aspiration hazard** < 1 cSt @ 37.8°C/100°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

## STP® Petrol Injector Cleaner

<b>Species</b>	Rat
<b>Notes (dermal LD<sub>50</sub>)</b>	REACH dossier information. Read-across data.
<b>ATE dermal (mg/kg)</b>	3,440.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	10.2
<b>Species</b>	Rat
<b>Notes (inhalation LC<sub>50</sub>)</b>	REACH dossier information. Read-across data.
<b>ATE inhalation (vapours mg/l)</b>	10.2
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). REACH dossier information. Read-across data. Irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.2 ml, 1 second, Rabbit REACH dossier information. Read-across data. Slightly irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Gene mutation: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEL 600 mg/kg, Oral, Rat REACH dossier information. Read-across data.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	0.63 cSt @ 50°C/122°F REACH dossier information. Not anticipated to present an aspiration hazard, based on chemical structure.

### Mesitylene

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	6,000.0
<b>Species</b>	Rat
<b>Notes (oral LD<sub>50</sub>)</b>	REACH dossier information. Read-across data.
<b>ATE oral (mg/kg)</b>	6,000.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	2,001.0
<b>Species</b>	Rat

## STP® Petrol Injector Cleaner

<b>Notes (dermal LD<sub>50</sub>)</b>	REACH dossier information. Read-across data.
<b>ATE dermal (mg/kg)</b>	2,001.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)</b>	10.2
<b>Species</b>	Rat
<b>Notes (inhalation LC<sub>50</sub>)</b>	REACH dossier information. Read-across data.
<b>ATE inhalation (dusts/mists mg/l)</b>	10.2
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). REACH dossier information.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.2 ml, 1 second, Rabbit Not irritating. REACH dossier information. Read-across data.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Gene mutation: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Multi-generation study - NOAEC 500 ppm, Inhalation, Rat REACH dossier information. Read-across data.
<b>Reproductive toxicity - development</b>	Maternal toxicity: - NOAEC: 492 mg/m <sup>3</sup> , Inhalation, Rat REACH dossier information.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	STOT SE 3 - H335 May cause respiratory irritation.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEL 600 mg/kg/day, Oral, Rat REACH dossier information.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	0.63 cSt @ 50°C/122°F REACH dossier information. Not anticipated to present an aspiration hazard, based on chemical structure.

### Naphthalene

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	533.0
<b>Species</b>	Mouse
<b>Notes (oral LD<sub>50</sub>)</b>	REACH dossier information.

## STP® Petrol Injector Cleaner

<b>ATE oral (mg/kg)</b>	533.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	2,500.0
<b>Species</b>	Rat
<b>Notes (dermal LD<sub>50</sub>)</b>	REACH dossier information.
<b>ATE dermal (mg/kg)</b>	2,500.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	REACH dossier information. Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Dose: 0.5 g, 24 hours, Rabbit Primary dermal irritation index: 1.75 / 8 REACH dossier information. Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.1 g, 24 hours, Rabbit REACH dossier information. Not irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. REACH dossier information.
<b>Genotoxicity - in vivo</b>	Chromosome aberration: Negative. REACH dossier information.
<b><u>Carcinogenicity</u></b>	
<b>IARC carcinogenicity</b>	IARC Group 2B Possibly carcinogenic to humans.
<b>NTP carcinogenicity</b>	Reasonably anticipated to be a human carcinogen.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOEL: 400 mg/kg/day, Oral, Rabbit REACH dossier information.

### 2-ethylhexan-1-ol

<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	3,290.0
<b>Species</b>	Rat
<b>Notes (oral LD<sub>50</sub>)</b>	REACH dossier information.
<b>ATE oral (mg/kg)</b>	3,290.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	3,000.0

## STP® Petrol Injector Cleaner

<b>Species</b>	Rat
<b>Notes (dermal LD<sub>50</sub>)</b>	REACH dossier information.
<b>ATE dermal (mg/kg)</b>	3,000.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>ATE inhalation (vapours mg/l)</b>	11.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Primary dermal irritation index: 6.75 Dose: 0.5 ml, 4 hours, Rabbit REACH dossier information. Highly irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Dose: 0.1 ml, 1 second, Rabbit REACH dossier information. Irritating.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Gene mutation: Negative. REACH dossier information.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	NOAEL 500 mg/kg/day, Oral, Rat REACH dossier information.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - development</b>	Developmental toxicity: - NOAEL: 2520 mg/kg/day, Dermal, Rat REACH dossier information.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	NOAEL 250 mg/kg/day, Oral, Rat REACH dossier information.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	4.3 mPa s @ 40°C/104°F REACH dossier information.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

#### Ecological information on ingredients.

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

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hours: > 1000 mg/l, Onchorhynchus mykiss (Rainbow trout) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hours: > 1000 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata REACH dossier information.
<b>Chronic toxicity - fish early life stage</b>	NOELR, 28 days: 0.173 mg/l, Onchorhynchus mykiss (Rainbow trout) QSAR REACH dossier information.

## STP® Petrol Injector Cleaner

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

### Solvent naphtha (petroleum), heavy arom.

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

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: 1.4 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 24 hours: 1 - 3 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

**Chronic toxicity - fish early life stage** NOEL, 28 days: 0.098 mg/l, Onchorhynchus mykiss (Rainbow trout)  
QSAR  
REACH dossier information.

**Chronic toxicity - aquatic invertebrates** EL<sub>50</sub>, 21 days: 0.89 mg/l, Daphnia magna  
REACH dossier information.

### Solvent naphtha (petroleum), light arom.

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

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 8.2 mg/l, Pimephales promelas (Fat-head Minnow)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hours: 4.5 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

**Acute toxicity - microorganisms** EC<sub>50</sub>, 40 hours: 15.41 mg/l, Tetrahymena pyriformis  
REACH dossier information.  
QSAR

**Chronic toxicity - aquatic invertebrates** NOELR, 21 days: 2.6 mg/l, Daphnia magna  
REACH dossier information.

### 1,2,4-Trimethylbenzene

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 7.72 mg/l, Pimephales promelas (Fat-head Minnow)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3.6 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 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.



## STP® Petrol Injector Cleaner

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 12.52 mg/l, Carassius auratus (Goldfish) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 48 hours: 6 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 48 hours: 25 mg/l, Desmodesmus subspicatus REACH dossier information.
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 2 mg/l, Daphnia magna REACH dossier information.

### Naphthalene

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 6.08 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 2.16 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - microorganisms</b>	IC <sub>50</sub> , 24 hours: 29 mg/l, Nitrosomonas REACH dossier information.
<b><u>Chronic aquatic toxicity</u></b>	
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - fish early life stage</b>	NOEC, 40 days: ~ 0.37 mg/l, Oncorhynchus kisutch (Coho salmon) REACH dossier information.
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 125 days: 0.59 mg/l, Daphnia pulex REACH dossier information.

### 2-ethylhexan-1-ol

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 17.1 mg/l, Leuciscus idus (Golden orfe) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 39 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 11.5 mg/l, Scenedesmus subspicatus REACH dossier information.

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### Ecological information on ingredients.

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

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

## STP® Petrol Injector Cleaner

### Solvent naphtha (petroleum), heavy arom.

**Biodegradation** Water - Degradation 61 %: 28 days  
Readily biodegradable but failing the 10-day window.  
REACH dossier information.

### 1,2,4-Trimethylbenzene

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

### Mesitylene

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

### Naphthalene

**Biodegradation** - Degradation (99.9%): 15.2±8.4 days  
REACH dossier information.  
The substance is readily biodegradable.

### 2-ethylhexan-1-ol

**Biodegradation** Water - Degradation 79 - 99.9%: 2 weeks  
REACH dossier information.  
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

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

### Solvent naphtha (petroleum), heavy arom.

**Bioaccumulative potential** Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

### Solvent naphtha (petroleum), light arom.

**Bioaccumulative potential** BCF: 10 - 2500, Freshwater fish REACH dossier information. Calculation method.

### 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.

## STP® Petrol Injector Cleaner

### Mesitylene

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

### Naphthalene

**Bioaccumulative potential** BCF: 36.5 - 168, Cyprinus carpio (Common carp) REACH dossier information.

**Partition coefficient** log Pow: 3.4 REACH dossier information.

### 2-ethylhexan-1-ol

**Bioaccumulative potential** BCF: 25.33, REACH dossier information.

**Partition coefficient** log Pow: 2.9 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

#### Solvent naphtha (petroleum), heavy arom.

**Mobility** The product contains organic solvents which will evaporate easily from all surfaces. The product has poor water-solubility.

#### Solvent naphtha (petroleum), light arom.

**Adsorption/desorption coefficient** Water - log Koc : 1.783 - 2.36 REACH dossier information. Calculation method.

### 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

### 2-ethylhexan-1-ol

**Surface tension** 47 mN/m @ 20°C/68°F REACH dossier information.

### 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

## STP® Petrol Injector Cleaner

**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.

### SECTION 16: Other information

## STP® Petrol Injector Cleaner

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>IATA: International Air Transport Association.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>DNEL: Derived No Effect Level.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>BCF: Bioconcentration Factor.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Asp. Tox. 1 - H304: Calculation method., Expert judgement. Aquatic Chronic 3 - H412: Calculation method. EUH066: Expert judgement.</p>
<b>Revision comments</b>	Document revised.
<b>Revision date</b>	07/04/2017
<b>Revision</b>	13
<b>Supersedes date</b>	15/05/2015
<b>SDS number</b>	102
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H351 Suspected of causing cancer.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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.