



**SAFETY DATA SHEET**  
**STP® PETROL INJECTOR CLEANER**

According to Regulation (EU) No 453/2010

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name STP® PETROL INJECTOR CLEANER  
Product No. 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@armoredautogroup.com

**1.4. Emergency telephone number**

+44 1495 350234  
Monday - Thursday: 8.30 - 17.00  
Friday: 8.30 - 15.30

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

|                               |                            |
|-------------------------------|----------------------------|
| Physical and Chemical Hazards | Not classified.            |
| Human health                  | EUH066; Asp. Tox. 1 - H304 |
| Environment                   | Aquatic Chronic 3 - H412   |

**Classification (1999/45/EEC)**

Xn;R65. R52/53, R66.

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

**Human health**

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Prolonged skin contact may cause redness, irritation and dry skin.

**2.2. Label elements**

Contains HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

# STP® PETROL INJECTOR CLEANER

## 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+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331 Do NOT induce vomiting.  
 P501 Dispose of contents/container in accordance with local regulations.

## Supplementary Precautionary Statements

P273 Avoid release to the environment.

## Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

|  |  |  |
|--|--|--|
| <b>HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS</b>   |  | <b>60-100%</b>                               |
| <b>CAS-No.:</b>  | <b>EC No.: 926-141-6</b>   | <b>Registration Number: 01-2119456620-43</b> |
| Classification (EC 1272/2008)<br>EUH066<br>Asp. Tox. 1 - H304  | Classification (67/548/EEC)<br>Xn;R65.<br>R66.                           |  |
| <b>SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC</b>   |  | <b>1-5%</b>                                  |
| <b>CAS-No.: 64742-94-5</b>   | <b>EC No.: 265-198-5</b>   | <b>Registration Number: 01-2119463588-24</b> |
| Classification (EC 1272/2008)<br>EUH066<br>STOT SE 3 - H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411  | Classification (67/548/EEC)<br>Xn;R65.<br>N;R51/53.<br>R66,R67.          |  |
| <b>POLYOLEFIN ALKYL PHENOL ALKYL AMINE</b>   |  | <b>1-5%</b>                                  |
| <b>CAS-No.:</b>  | <b>EC No.:</b>   |  |
| Classification (EC 1272/2008)<br>Skin Irrit. 2 - H315  | Classification (67/548/EEC)<br>Xi;R38.                                   |  |
| <b>1,2,4-TRIMETHYLBENZENE</b>  |  | <b>1-5%</b>                                  |
| <b>CAS-No.: 95-63-6</b>  | <b>EC No.: 202-436-9</b>   |  |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>Acute Tox. 4 - H332<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H335<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>R10<br>Xn;R20<br>Xi;R36/37/38<br>N;R51/53 |  |

# STP® PETROL INJECTOR CLEANER

|  |  |             |
|--|--|-------------|
| <b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (&lt;0.1% BENZENE)</b>   |  | <b>1-5%</b> |
| <b>CAS-No.: 64742-95-6</b>   | <b>EC No.: 265-199-0</b>   |             |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>EUH066<br>STOT SE 3 - H335, H336<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>Xn;R65.<br>Xi;R37.<br>N;R51/53.<br>R10,R66,R67. |             |

|  |   |                |
|--|---|----------------|
| <b>NAPHTHALENE</b>   |   | <b>&lt; 1%</b> |
| <b>CAS-No.: 91-20-3</b>  | <b>EC No.: 202-049-5</b>  |                |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Carc. 2 - H351<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | Classification (67/548/EEC)<br>Carc. Cat. 3;R40<br>Xn;R22<br>N;R50/53 |                |

|  |  |                |
|--|--|----------------|
| <b>MESITYLENE</b>  |  | <b>&lt; 1%</b> |
| <b>CAS-No.: 108-67-8</b>   | <b>EC No.: 203-604-4</b>                                 |                |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT SE 3 - H335<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>R10<br>Xi;R37<br>N;R51/53 |                |

|  |  |                |
|--|--|----------------|
| <b>PROPYLBENZENE</b>   |  | <b>&lt; 1%</b> |
| <b>CAS-No.: 103-65-1</b>   | <b>EC No.: 203-132-9</b>   |                |
| Classification (EC 1272/2008)<br>Flam. Liq. 3 - H226<br>STOT SE 3 - H335<br>Asp. Tox. 1 - H304<br>Aquatic Chronic 2 - H411 | Classification (67/548/EEC)<br>R10<br>Xn;R65<br>Xi;R37<br>N;R51/53 |                |

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**

**Inhalation**

Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

**Ingestion**

Never give liquid to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention immediately!

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

# STP® PETROL INJECTOR CLEANER

## **Inhalation**

Vapours may cause drowsiness and dizziness.

## **Ingestion**

May cause discomfort if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

## **Skin contact**

Prolonged skin contact may cause redness and irritation.

## **Eye contact**

Irritating and may cause redness and pain.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

#### **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 may liberate carbon oxides and other toxic gases or vapours.

#### **Unusual Fire & Explosion Hazards**

Solvent vapours may form explosive mixtures with air.

### **5.3. Advice for firefighters**

#### **Protective equipment for fire-fighters**

Use protective equipment appropriate for surrounding materials.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

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

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate well. 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**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. NOT for personal cleansing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

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

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

## STP® PETROL INJECTOR CLEANER

### 8.1. Control parameters

| Name                   | STD | TWA - 8 Hrs |           | STEL - 15 Min |          | Notes |
|------------------------|-----|-------------|-----------|---------------|----------|-------|
| 1,2,4-TRIMETHYLBENZENE | WEL | 25 ppm      | 125 mg/m3 |               |          |       |
| MESITYLENE             | WEL | 25 ppm      | 125 mg/m3 |               |          |       |
| NAPHTHALENE            | WEL | 10 ppm      | 53 mg/m3  | 15 ppm        | 80 mg/m3 |       |

WEL = Workplace Exposure Limit.

# STP® PETROL INJECTOR CLEANER

## MESITYLENE (CAS: 108-67-8)

| <b>DNEL</b> |             |            |                  |  |                 |
|-------------|-------------|------------|------------------|--|-----------------|
| Worker      | Inhalation. | Short Term | Systemic Effects |  | 100 mg/m3       |
| Worker      | Inhalation. | Short Term | Local Effects    |  | 100 mg/m3       |
| Worker      | Dermal      | Long Term  | Systemic Effects |  | 16171 mg/kg/day |
| Worker      | Inhalation. | Long Term  | Systemic Effects |  | 100 mg/m3       |
| Worker      | Inhalation. | Long Term  | Local Effects    |  | 100 mg/m3       |
| Consumer    | Inhalation. | Short Term | Systemic Effects |  | 29.4 mg/m3      |
| Consumer    | Inhalation. | Short Term | Local Effects    |  | 29.4 mg/m3      |
| Consumer    | Dermal      | Long Term  | Systemic Effects |  | 9512 mg/kg/day  |
| Consumer    | Inhalation. | Long Term  | Systemic Effects |  | 29.4 mg/m3      |
| Consumer    | Oral        | Long Term  | Systemic Effects |  | 15 mg/kg/day    |
| Consumer    | Inhalation. | Long Term  | Local Effects    |  | 29.4 mg/m3      |

## **PNEC**

|                        |       |       |
|------------------------|-------|-------|
| Freshwater             | 0.101 | mg/l  |
| Marinewater            | 0.101 | mg/l  |
| Intermittent release   | 0.101 | mg/l  |
| STP                    | 2.02  | mg/l  |
| Sediment (Freshwater)  | 7.86  | mg/kg |
| Sediment (Marinewater) | 7.86  | mg/kg |
| Soil                   | 1.34  | mg/kg |

## 1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

| <b>DNEL</b> |             |            |                  |  |                 |
|-------------|-------------|------------|------------------|--|-----------------|
| Worker      | Inhalation. | Short Term | Systemic Effects |  | 100 mg/m3       |
| Worker      | Inhalation. | Short Term | Local Effects    |  | 100 mg/m3       |
| Worker      | Dermal      | Long Term  | Systemic Effects |  | 16171 mg/kg/day |
| Worker      | Inhalation. | Long Term  | Systemic Effects |  | 100 mg/m3       |
| Worker      | Inhalation. | Long Term  | Local Effects    |  | 100 mg/m3       |
| Consumer    | Inhalation. | Short Term | Systemic Effects |  | 29.4 mg/m3      |
| Consumer    | Inhalation. | Short Term | Local Effects    |  | 29.4 mg/m3      |
| Consumer    | Dermal      | Long Term  | Systemic Effects |  | 9512 mg/kg/day  |
| Consumer    | Inhalation. | Long Term  | Systemic Effects |  | 29.4 mg/m3      |
| Consumer    | Dermal      | Long Term  | Systemic Effects |  | 9512 mg/kg/day  |
| Consumer    | Inhalation. | Long Term  | Systemic Effects |  | 29.4 mg/m3      |
| Consumer    | Oral        | Long Term  | Systemic Effects |  | 15 mg/kg/day    |
| Consumer    | Inhalation. | Long Term  | Local Effects    |  | 29.4 mg/m3      |

## **PNEC**

|                        |       |       |
|------------------------|-------|-------|
| Freshwater             | 0.12  | mg/l  |
| Marinewater            | 0.12  | mg/l  |
| Intermittent release   | 0.12  | mg/l  |
| STP                    | 2.41  | mg/l  |
| Sediment (Freshwater)  | 13.56 | mg/kg |
| Sediment (Marinewater) | 13.56 | mg/kg |
| Soil                   | 2.34  | mg/kg |

## NAPHTHALENE (CAS: 91-20-3)

| <b>DNEL</b> |             |           |                  |  |                |
|-------------|-------------|-----------|------------------|--|----------------|
| Consumer    | Dermal      | Long Term | Systemic Effects |  | 3.57 mg/kg/day |
| Worker      | Inhalation. | Long Term | Systemic Effects |  | 25 mg/m3       |
| Worker      | Inhalation. | Long Term | Local Effects    |  | 25 mg/m3       |

## **PNEC**

|                        |        |       |
|------------------------|--------|-------|
| Freshwater             | 0.0024 | mg/l  |
| Marinewater            | 0.0024 | mg/l  |
| Intermittent release   | 0.02   | mg/l  |
| STP                    | 2.9    | mg/l  |
| Sediment (Freshwater)  | 0.0672 | mg/kg |
| Sediment (Marinewater) | 0.0672 | mg/kg |
| Soil                   | 0.0533 | mg/kg |

## 8.2. Exposure controls

### Protective equipment



# STP® PETROL INJECTOR CLEANER

## Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

## Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

## Hygiene measures

Wash promptly if skin becomes contaminated. DO NOT SMOKE IN WORK AREA! When using do not eat, drink or smoke. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |                          |
|--|--------------------------|
| <b>Appearance</b>                                    | Clear liquid.            |
| <b>Colour</b>  | Light (or pale). Yellow. |
| <b>Odour</b>   | Hydrocarbon.             |
| <b>Solubility</b>                                    | Insoluble in water       |
| <b>Melting point (°C)</b>                            |                          |
| Data lacking.  |                          |
| <b>Relative density</b>                              | 0.8232                   |
| <b>Vapour density (air=1)</b>                        |                          |
| Data lacking.  |                          |
| <b>Vapour pressure</b>                               |                          |
| Data lacking.  |                          |
| <b>Evaporation rate</b>                              |                          |
| Data lacking.  |                          |
| <b>Evaporation Factor</b>                            |                          |
| Data lacking.  |                          |
| <b>pH-Value, Conc. Solution</b>                      |                          |
| Data lacking.  |                          |
| <b>Viscosity</b>                                     |                          |
| Not known.   |                          |
| <b>Solubility Value (G/100G H<sub>2</sub>O@20°C)</b> |                          |
| Data lacking.  |                          |
| <b>Decomposition temperature (°C)</b>                |                          |
| Data lacking.  |                          |
| <b>Odour Threshold, Lower</b>                        |                          |
| Data lacking.  |                          |
| <b>Flash point (°C)</b>                              | 70.5 °C                  |
| <b>Auto Ignition Temperature (°C)</b>                |                          |
| Data lacking.  |                          |
| <b>Explosive properties</b>                          |                          |
| Data lacking.  |                          |
| <b>Oxidising properties</b>                          |                          |
| Not known.   |                          |

### 9.2. Other information

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Acids. Strong oxidising substances.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Will not polymerise.

**10.4. Conditions to avoid**

No specific conditions are likely to result in a hazardous situation.

**10.5. Incompatible materials**

**Materials To Avoid**

Strong oxidising substances.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity:**

Based on available data the classification criteria are not met.

**Skin Corrosion/Irritation:**

Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation:**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity:**

Based on available data the classification criteria are not met.

**Carcinogenicity:**

Based on available data the classification criteria are not met.

**Reproductive Toxicity:**

Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure:**

Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard:**

May be fatal if swallowed and enters airways.

**Toxicological information on ingredients.**

**PROPYLBENZENE (CAS: 103-65-1)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

6040 mg/kg Rat

Miscellaneous information sources.

**Acute Toxicity (Inhalation LC50)**

65000 ppm (vapour) Rat 2 hours

Miscellaneous information sources.

**Specific target organ toxicity - single exposure:**

STOT SE 3 May cause respiratory irritation.

**Aspiration hazard:**

Asp. Tox. 1 May be fatal if swallowed and enters airways.



# STP® PETROL INJECTOR CLEANER

MESITYLENE (CAS: 108-67-8)

## Acute toxicity:

### **Acute Toxicity (Oral LD50)**

6000 mg/kg Rat

REACH dossier information Read across data.

### **Acute Toxicity (Dermal LD50)**

> 4 mL/kg Rat

REACH dossier information Read across data.

### **Acute Toxicity (Inhalation LC50)**

10200 mg/m<sup>3</sup> (vapour) Rat 4 hours

REACH dossier information Read across data.

## Skin Corrosion/Irritation:

### **Dose**

0.5 mL 4 hr Rabbit

### **Erythema/Eschar score**

Well defined erythema (2).

REACH dossier information

Irritating.

## Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

## Respiratory or skin sensitisation:

### **Skin sensitisation**

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information Read across data.

Not Sensitising. Based on available data the classification criteria are not met.

## Germ cell mutagenicity:

### **Genotoxicity - In Vitro**

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

### **Genotoxicity - In Vivo**

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

## Reproductive Toxicity:

### **Reproductive Toxicity - Fertility**

Multigeneration study: NOAEC 500 ppm Inhalation. Rat F1

REACH dossier information Read across data.

Based on available data the classification criteria are not met.

### **Reproductive Toxicity - Development**

Developmental toxicity: NOAEC 1470 mg/m<sup>3</sup> Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

## Specific target organ toxicity - repeated exposure:

### **STOT - Repeated exposure**

NOAEL 600 mg/kg Oral Rat

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

# STP® PETROL INJECTOR CLEANER

1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

## Acute toxicity:

### **Acute Toxicity (Oral LD50)**

6000 mg/kg Rat

REACH dossier information

### **Acute Toxicity (Dermal LD50)**

4 mL/kg Rat

REACH dossier information Read across data.

### **Acute Toxicity (Inhalation LC50)**

10200 mg/m<sup>3</sup> (vapour) Rat 4 hours

REACH dossier information Read across data.

## Skin Corrosion/Irritation:

### **Dose**

0.5 mL 4 hr Rabbit

### **Erythema/Eschar score**

Well defined erythema (2).

REACH dossier information Read across data.

Irritating.

## Serious eye damage/irritation:

Not Irritating. Read across data. REACH dossier information Based on available data the classification criteria are not met.

## Respiratory or skin sensitisation:

### **Skin sensitisation**

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information Read across data.

Not Sensitising. Based on available data the classification criteria are not met.

## Germ cell mutagenicity:

### **Genotoxicity - In Vitro**

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

### **Genotoxicity - In Vivo**

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

## Reproductive Toxicity:

### **Reproductive Toxicity - Fertility**

Multigeneration study: NOAEC 500 ppm Inhalation. Rat F1

REACH dossier information Read across data.

Based on available data the classification criteria are not met.

### **Reproductive Toxicity - Development**

Developmental toxicity: NOAEC 1470 mg/m<sup>3</sup> Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

## Specific target organ toxicity - repeated exposure:

### **STOT - Repeated exposure**

NOAEL 600 mg/kg Oral Rat

REACH dossier information Read across data.

Not classified as a specific target organ toxicant after repeated exposure.

# STP® PETROL INJECTOR CLEANER

NAPHTHALENE (CAS: 91-20-3)

## Acute toxicity:

### **Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

REACH dossier information

### **Acute Toxicity (Dermal LD50)**

> 2500 mg/kg Rat

REACH dossier information

### **Acute Toxicity (Inhalation LC50)**

> 0.4 mg/l (vapours) Rat 4 hours

REACH dossier information

## Skin Corrosion/Irritation:

### **Dose**

0.5 g 24 hr Rabbit

### **Primary dermal irritation index (PDI)**

1.75

### **Erythema/oeschar score**

Very slight erythema -barely perceptible (1).

### **Oedema score**

Very slight oedema -barely perceptible (1).

REACH dossier information

Not irritating. Based on available data the classification criteria are not met.

## Serious eye damage/irritation:

Not Irritating. Based on available data the classification criteria are not met.

## Respiratory or skin sensitisation:

### **Skin sensitisation**

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

## Germ cell mutagenicity:

### **Genotoxicity - In Vitro**

Genome mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

### **Genotoxicity - In Vivo**

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

## Carcinogenicity:

### **Carcinogenicity**

Inhalation. Rat

REACH dossier information

Limited evidence of a carcinogenic effect.

### **IARC Carcinogenicity**

IARC Group 2B Possibly carcinogenic to humans.

## Reproductive Toxicity:

### **Reproductive Toxicity - Development**

Developmental toxicity: NOAEC 150 mg/kg Oral Rat

## STP® PETROL INJECTOR CLEANER

REACH dossier information

**Specific target organ toxicity - repeated exposure:**

**STOT - Repeated exposure**

NOAEL 133 mg/kg Oral Mouse

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

**STP® PETROL INJECTOR CLEANER**  
**SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rabbit

REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 5.28 mg/l (vapours) Rat 4 hours

REACH dossier information

**Skin Corrosion/Irritation:**

**Dose**

0.5 mL 24 hr 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

Irritating.

**Serious eye damage/irritation:**

Not Irritating.

**Respiratory or skin sensitisation:**

**Skin sensitisation**

Buehler test: Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

**Germ cell mutagenicity:**

**Genotoxicity - In Vitro**

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

**Genotoxicity - In Vivo**

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

**Carcinogenicity:**

**Carcinogenicity**

LOAEL 250 mg/kg/day Dermal Mouse

REACH dossier information

No evidence of carcinogenicity in animal studies

**Reproductive Toxicity:**

**Reproductive Toxicity - Fertility**

Fertility: NOAEL 750 mg/kg/day Oral Rat P

REACH dossier information

Based on available data the classification criteria are not met.

**Reproductive Toxicity - Development**

Maternal toxicity: NOAEC >= 364 ppm Inhalation. Rat

## STP® PETROL INJECTOR CLEANER

REACH dossier information

Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure:

#### **STOT - Repeated exposure**

NOAEL 750 mg/l/6hr/day Oral Rat

REACH dossier information

### Aspiration hazard:

#### **Viscosity**

Kinematic viscosity  $\leq 20.5$  mm<sup>2</sup>/s.

REACH dossier information

Harmful: may cause lung damage if swallowed.

### POLYOLEFIN ALKYL PHENOL ALKYL AMINE

### Acute toxicity:

Irritating to eyes and skin.

**STP® PETROL INJECTOR CLEANER**  
**SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rabbit

REACH dossier information

**Acute Toxicity (Inhalation LC50)**

> 5610 mg/m<sup>3</sup> (vapour) Rat 4 hours

REACH dossier information

**Skin Corrosion/Irritation:**

**Dose**

0.5 mL 4 hr Rabbit

**Erythema/Eschar score**

Well defined erythema (2).

**Oedema score**

Slight oedema - edges of area well defined by definite raising (2).

REACH dossier information

Irritating.

**Serious eye damage/irritation:**

Not Irritating. Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation:**

**Skin sensitisation**

Buehler test: Guinea Pig

REACH dossier information

Not Sensitising. Based on available data the classification criteria are not met.

**Germ cell mutagenicity:**

**Genotoxicity - In Vitro**

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

**Genotoxicity - In Vivo**

Chromosome aberration:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

**Carcinogenicity:**

**Carcinogenicity**

NOAEL 0.05 mL Dermal Mouse

REACH dossier information

This substance has no evidence of carcinogenic properties.

**IARC Carcinogenicity**

Not listed.

**Reproductive Toxicity:**

**Reproductive Toxicity - Fertility**

Screening: NOAEL 24700 mg/m<sup>3</sup> Inhalation. Rat F1

REACH dossier information

Based on available data the classification criteria are not met.

# STP® PETROL INJECTOR CLEANER

## Reproductive Toxicity - Development

Maternal toxicity: NOAEL 23900 mg/m3 Inhalation. Rat

REACH dossier information

Based on available data the classification criteria are not met.

**HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS**

### Acute toxicity:

#### Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Raw material suppliers' information.

Based on available data the classification criteria are not met.

#### Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

Raw material suppliers' information.

Based on available data the classification criteria are not met.

#### Acute Toxicity (Inhalation LC50)

> 5000 mg/m<sup>3</sup> (vapour) Rat 8 hours

Raw material suppliers' information.

Based on available data the classification criteria are not met.

### Skin Corrosion/Irritation:

Raw material suppliers' information.

Based on available data the classification criteria are not met.

### Respiratory or skin sensitisation:

#### Skin sensitisation

Guinea pig maximization test (GPMT): Guinea Pig

REACH dossier information

Based on available data the classification criteria are not met.

### Germ cell mutagenicity:

#### Genotoxicity - In Vitro

Gene Mutation:

REACH dossier information

Negative.

Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure:

#### STOT - Repeated exposure

NOAEL >=30000 mg/kg Oral Rat

REACH dossier information

Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard:

#### Viscosity

Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

REACH dossier information

Harmful: may cause lung damage if swallowed.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Acute Fish Toxicity

Harmful to aquatic life with long lasting effects.



# STP® PETROL INJECTOR CLEANER

## Ecological information on ingredients.

### PROPYLBENZENE (CAS: 103-65-1)

#### **Acute Fish Toxicity**

Toxic to aquatic organisms.

#### **Acute Toxicity - Fish**

LC50 96 hours 1.55 mg/l Onchorhynchus mykiss (Rainbow trout)

Miscellaneous information sources.

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 24 hours 2 mg/l Daphnia magna

Miscellaneous information sources.

### MESITYLENE (CAS: 108-67-8)

#### **Acute Toxicity - Fish**

LC50 96 hours 12.52 mg/l Carassius auratus (Goldfish)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

LC50 48 hours 6 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EC50 48 hours 25 mg/l Desmodium subspicatus

REACH dossier information

#### **Chronic Toxicity - Aquatic Invertebrates**

NOEC 21 days 2 mg/l Daphnia magna

### 1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

#### **Acute Toxicity - Fish**

LC50 96 hours 7.72 mg/l Pimephales promelas (Fat-head Minnow)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 3.6 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EC50 96 hours 2.356 mg/l Freshwater algae

REACH dossier information Estimated Value

### NAPHTHALENE (CAS: 91-20-3)

#### **Acute Toxicity - Fish**

LC50 96 hours 6.08 mg/l Pimephales promelas (Fat-head Minnow)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 2.16 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Microorganisms**

IC50 24 hours 29 mg/l Nitrosomonas sp.

REACH dossier information

### SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

#### **Acute Toxicity - Fish**

LL50 96 hours 2 - 5 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EL50 48 hours 1.4 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EL50 72 hours 1 - 3 mg/l Pseudokirchnerella subcapitata

REACH dossier information

#### **Acute Toxicity - Microorganisms**

NOEL 72 hours 1.641 mg/l Tetrahymena pyriformis

Estimated Value REACH dossier information

#### **Chronic Toxicity - Fish Early life Stage**

NOEL 28 days 0.098 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information Estimated Value

#### **Chronic Toxicity - Aquatic Invertebrates**

EL50 21 days 0.89 mg/l Daphnia magna

## STP® PETROL INJECTOR CLEANER

NOEL 21 days 0.48 mg/l Daphnia magna  
REACH dossier information

### POLYOLEFIN ALKYL PHENOL ALKYL AMINE

#### **Acute Fish Toxicity**

Not considered toxic to fish.

### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

#### **Acute Toxicity - Fish**

LL50 96 hours 8.2 mg/l Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

#### **Acute Toxicity - Aquatic Invertebrates**

EL50 48 hours 4.5 mg/l Daphnia magna

REACH dossier information

#### **Acute Toxicity - Aquatic Plants**

EL50 72 hours 3.1 mg/l Pseudokirchnerella subcapitata

REACH dossier information

#### **Acute Toxicity - Microorganisms**

EC50 40 hours 15.41 mg/l Tetrahymena pyriformis

REACH dossier information

### HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

#### **Acute Toxicity - Fish**

LL50 96 hours > 1000 mg/l Onchorhynchus 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 Pseudokirchnerella subcapitata

REACH dossier information

## **12.2. Persistence and degradability**

### **Degradability**

There are no data on the degradability of this product.

# STP® PETROL INJECTOR CLEANER

## Ecological information on ingredients.

### PROPYLBENZENE (CAS: 103-65-1)

#### **Degradability**

May cause long-term adverse effects in the aquatic environment.

### MESITYLENE (CAS: 108-67-8)

#### **Biodegradation**

Water Degradation (50%) 4.4 days  
REACH dossier information Estimated Value  
The substance is readily biodegradable.

### 1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

#### **Degradability**

There are no data on the degradability of this product.

### NAPHTHALENE (CAS: 91-20-3)

#### **Biodegradation**

Soil Degradation (90%) 10 days  
Water Degradation (99.9%) 15.2±8.4 days  
REACH dossier information  
The substance is readily biodegradable.

### SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

#### **Degradability**

No data available.

### POLYOLEFIN ALKYL PHENOL ALKYL AMINE

#### **Degradability**

There are no data on the degradability of this product.

### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

#### **Degradability**

There are no data on the degradability of this product.

### HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

#### **Biodegradation**

Water Degradation (~5%) 3 days  
Water Degradation (~50%) 15 days  
Water Degradation (69%) 28 days  
REACH dossier information  
Readily biodegradable but failing the 10 day window.

## 12.3. Bioaccumulative potential

### **Bioaccumulative potential**

No data available on bioaccumulation.

# STP® PETROL INJECTOR CLEANER

## Ecological information on ingredients.

### PROPYLBENZENE (CAS: 103-65-1)

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### MESITYLENE (CAS: 108-67-8)

#### **Bioaccumulation factor**

BCF 161 Pimephales promelas (Fat-head Minnow)  
REACH dossier information Estimated Value

#### **Partition coefficient**

log Pow 3.42  
REACH dossier information

### 1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

#### **Bioaccumulation factor**

BCF 243 Pimephales promelas (Fat-head Minnow)  
REACH dossier information Estimated Value

#### **Partition coefficient**

log Pow 3.63  
REACH dossier information

### NAPHTHALENE (CAS: 91-20-3)

#### **Bioaccumulative potential**

Will not bio-accumulate.

#### **Bioaccumulation factor**

BCF 36.5 - 168  
REACH dossier information

#### **Partition coefficient**

log Pow 3.4 @ 25 °C  
REACH dossier information

### SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### POLYOLEFIN ALKYL PHENOL ALKYL AMINE

#### **Bioaccumulative potential**

No data available on bioaccumulation.

### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

#### **Bioaccumulation factor**

BCF 10 - 2500  
REACH dossier information Estimated Value

### HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

#### **Bioaccumulative potential**

No data available on bioaccumulation.

## **12.4. Mobility in soil**

### **Mobility:**

No data available.

# STP® PETROL INJECTOR CLEANER

## Ecological information on ingredients.

### PROPYLBENZENE (CAS: 103-65-1)

#### **Mobility:**

No information available.

### MESITYLENE (CAS: 108-67-8)

#### **Adsorption/Desorption Coefficient**

Soil log Koc 2.87

Estimated Value REACH dossier information

### 1,2,4-TRIMETHYLBENZENE (CAS: 95-63-6)

#### **Adsorption/Desorption Coefficient**

Soil log Koc 3.04

REACH dossier information Estimated Value

### NAPHTHALENE (CAS: 91-20-3)

#### **Adsorption/Desorption Coefficient**

Soil Koc 664 @ 10 °C

REACH dossier information

### SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC (CAS: 64742-94-5)

#### **Mobility:**

The product is insoluble in water.

### POLYOLEFIN ALKYL PHENOL ALKYL AMINE

#### **Mobility:**

No information available.

### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. (<0.1% BENZENE) (CAS: 64742-95-6)

#### **Adsorption/Desorption Coefficient**

Soil log Koc 1.783 - 2.36

REACH dossier information Estimated Value

### HYDROCARBONS, C11-C14, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

#### **Surface tension**

26.4 mN/m @ 25 °C

REACH dossier information

## **12.5. Results of PBT and vPvB assessment**

Not determined.

## **12.6. Other adverse effects**

Not determined.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Dike far ahead of spill for later disposal. Recover and reclaim or recycle, if practical.

## **SECTION 14: TRANSPORT INFORMATION**

#### **General**

The product is not covered by international regulation 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)**

#### **Transport Labels**

No transport warning sign required.

### **14.4. Packing group**

# STP® PETROL INJECTOR 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 MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### **Water hazard classification**

WGK 2

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

#### **Revision Comments**

Amendment to sections: 2, 3, 8, 11, 12

**Revision Date** 12-2013

**Revision** 10

**Supersedes date** 04-2013

#### **Risk Phrases In Full**

|           |  |
|-----------|--|
| R10       | Flammable.   |
| R20       | Harmful by inhalation.   |
| R22       | Harmful if swallowed.  |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.    |
| R65       | Harmful: may cause lung damage if swallowed.   |
| R36/37/38 | Irritating to eyes, respiratory system and skin.   |
| R37       | Irritating to respiratory system.  |
| R38       | Irritating to skin.  |
| R40       | Limited evidence of a carcinogenic effect.   |
| R66       | Repeated exposure may cause skin dryness or cracking.  |
| R51/53    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.      |
| R67       | Vapours may cause drowsiness and dizziness.  |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

## STP® PETROL INJECTOR CLEANER

### Hazard Statements In Full

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H226   | Flammable liquid and vapour.                          |
| 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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