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

1.1. Product identifier
Product form : Mixture
Product name : Sustituto del Plomo
Product code : W70611

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses
Use of the substance/mixture : Petrol additive.

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Wynn's Belgium
Industriepark-West 46
9100 Sint-Niklaas - Belgium
T +32 3 766 60 20 - F +32 3 778 16 56
msds@wynns.eu - www.wynns.be

1.4. Emergency telephone number
Emergency number : BIG: +32(0)14/58.45.45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Irrit. 2
Eye Dam. 1
Skin Sens. 1
STOT RE 1
Asp. Tox. 1
Aquatic Chronic 3

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Xn; R65
Xn; R48/20
Xi; R36
R43
R66
R52/53

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP) : 

Signal word (CLP) : Danger
Hazardous ingredients : potassium 1,2-bis(2-ethylhexyloxy)ethanesulphonate, Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol, hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways
**Sustituto del Plomo**  
Safety Data Sheet  
according to Regulation (EC) No. 453/2010

**H315** - Causes skin irritation  
**H317** - May cause an allergic skin reaction  
**H318** - Causes serious eye damage  
**H372** - Causes damage to organs (central nervous system) through prolonged or repeated exposure  
**H412** - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP)  
- P102 - Keep out of reach of children  
- P405 - Store locked up  
- P260 - Do not breathe vapours  
- P280 - Wear eye protection, protective gloves  
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor  
- P331 - Do NOT induce vomiting  
- P273 - Avoid release to the environment

### 2.3. Other hazards
No additional information available

#### SECTION 3: Composition/information on ingredients

### 3.1. Substance
Not applicable

### 3.2. Mixture

#### Name  
#### Product identifier  
#### % w  
#### Classification according to Directive 67/548/EEC

- **hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**  
  - (EC no) 919-164-8  
  - (REACH-no) 01-2119473977-17  
  - 75 - 90  
  - Xn; R48/20  
  - Xn; R65  
  - R66

- **potassium 1,2-bis(2-ethylhexyloxy)carbonyl)ethanesulphonate**  
  - (CAS No) 7491-09-0  
  - (EC no) 231-308-5  
  - (REACH-no) 01-2119919740-39  
  - 5 - 10  
  - Xi; R38  
  - Xi; R41

- **hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**  
  - (EC no) 926-141-6  
  - (REACH-no) 01-2119456620-43  
  - 5 - 10  
  - Xn; R65  
  - R66

- **Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol**  
  - (EC no) 911-254-5  
  - (REACH-no) 01-2119537289-29  
  - 1 - 2,5  
  - Xn; R22  
  - Xn; R48/22  
  - Xi; R36/38  
  - R43  
  - N; R50/53  
  - T; R24

- **2,6-di-tert-butyl-p-cresol**  
  - (CAS No) 128-37-0  
  - (EC no) 204-881-4  
  - (REACH-no) 01-2119565113-46  
  - 0,1 - 1  
  - N; R50/53

#### Name  
#### Product identifier  
#### % w  
#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

- **hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**  
  - (EC no) 919-164-8  
  - (REACH-no) 01-2119473977-17  
  - 75 - 90  
  - STOT RE 1, H372  
  - Asp. Tox. 1, H304  
  - Aquatic Chronic 3, H412

- **potassium 1,2-bis(2-ethylhexyloxy)carbonyl)ethanesulphonate**  
  - (CAS No) 7491-09-0  
  - (EC no) 231-308-5  
  - (REACH-no) 01-2119919740-39  
  - 5 - 10  
  - Skin Irrit. 2, H315  
  - Eye Irrit. 2, H319  
  - Skin Sens. 1, H317  
  - STOT RE 2, H373  
  - Aquatic Acute 1, H400  
  - Aquatic Chronic 1, H410

- **hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**  
  - (EC no) 926-141-6  
  - (REACH-no) 01-2119456620-43  
  - 5 - 10  
  - Asp. Tox. 1, H304  
  - Acute Tox. 4 (Oral), H302  
  - Skin Irrit. 2, H315  
  - Eye Irrit. 2, H319  
  - Skin Sens. 1, H317  
  - STOT RE 2, H373  
  - Aquatic Acute 1, H400  
  - Aquatic Chronic 1, H410

- **2,6-di-tert-butyl-p-cresol**  
  - (CAS No) 128-37-0  
  - (EC no) 204-881-4  
  - (REACH-no) 01-2119565113-46  
  - 0,1 - 1  
  - Aquatic Acute 1, H400  
  - Aquatic Chronic 1, H410

Full text of R- and H-statements: see section 16
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general:

First-aid measures after inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact:
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.

First-aid measures after ingestion:
Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. Ingestion of large quantities: immediately to hospital.

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

Symptoms/injuries after skin contact:
May cause sensitization by skin contact. Repeated or prolonged skin contact may cause dermatitis and defatting.

Symptoms/injuries after eye contact:
Causes serious eye damage.

Symptoms/injuries after ingestion:
Harmful if swallowed. Headache. Abdominal pain. May be fatal if swallowed and enters airways. Risk of aspiration pneumonia.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water spray. AFFF foam. ABC-powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard:
Combustible liquid. This material can accumulate static charge by flow or agitation and can be ignited by static discharge.

Explosion hazard:
No direct explosion hazard.

5.3. Advice for firefighters

Firefighting instructions:
Prevent fire-fighting water from entering environment.

Protection during firefighting:
Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures:
Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment:
Safety glasses. Face-shield. Gloves. protective clothing.

Emergency procedures:
Mark the danger area. Seal off low-lying areas. Large spills/in enclosed spaces: compressed air apparatus. Wash contaminated clothes.

6.1.2. For emergency responders

Protective equipment:
Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment:
Contain leaking substance, pump over in suitable containers.

Methods for cleaning up:
Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with detergents. Avoid solvent cleaners.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling : Meets the legal requirements. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin. Presents no particular risk when handled in accordance with good occupational hygiene practice.

Hygiene measures : Use good personal hygiene practices. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Meets the legal requirements. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place.
Storage temperature : < 45 °C
Storage area : Meets the legal requirements. Keep container tightly closed in a cool, well-ventilated place. Ventilation along the floor.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Control parameter (ppm)</th>
<th>Limit value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>ACGIH TWA</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Italy - Portugal - USA</td>
<td>ACGIH</td>
<td>100 ppm</td>
</tr>
<tr>
<td>2,6-di-tert-butyl-p-cresol (128-37-0)</td>
<td>Belgium Limit value</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

Personal protective equipment : Gloves. Safety glasses.

Hand protection : Neoprene. nitrile. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer.

Other information : Breakthrough time : >30'. Thickness of the glove material >0,1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>red.</td>
</tr>
<tr>
<td>Odour</td>
<td>petroleum-like odour.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td></td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Refraction index</td>
<td>1,45</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>62 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Decomposition temperature
: No data available

### Flammability (solid, gas)
: No data available

### Vapour pressure
: No data available

### Relative vapour density at 20 °C
: No data available

### Relative density
: No data available

### Density @20°C
: 827 kg/m³

### Solubility
: Insoluble in water.

### Log Pow
: No data available

### Log Kow
: No data available

### Viscosity, kinematic @40°C
: 1.5 mm²/s

### Viscosity, dynamic @40°C
: No data available

### Viscosity
: 

### Viscosity Index
: 

### Explosive properties
: No data available

### Oxidising properties
: No data available

### Explosive limits
: No data available

### Explosive limits
: 

#### 9.2. Other information
Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
No additional information available

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
No additional information available

#### 10.4. Conditions to avoid
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from strong acids and strong oxidizers.

#### 10.5. Incompatible materials
No additional information available

#### 10.6. Hazardous decomposition products

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Harmful: may cause lung damage if swallowed</td>
</tr>
<tr>
<td>Reaction mass of 2-tert-butyl-4,6-dimethylphenol and 4-tert-butyl-2,5-dimethylphenol ATE CLP (oral)</td>
<td>500,000 mg/kg bodyweight</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Causes damage to organs (central nervous system) through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>
SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : May cause long lasting harmful effects to aquatic life.
Ecology - water : Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability
2,6-di-tert-butyl-p-cresol (128-37-0)

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
2,6-di-tert-butyl-p-cresol (128-37-0)
Ecology - soil : May be harmful to plant growth, blooming and fruit formation.

12.5. Results of PBT and vPvB assessment
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Remove to an authorized waste treatment plant.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number
Not regulated for transport

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable

14.5. Environmental hazards
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport
No additional information available

14.6.2. Transport by sea
No additional information available

14.6.3. Air transport
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no substances with Annex XVII restrictions
**Sustituto del Plomo**

*Safety Data Sheet*

according to Regulation (EC) No. 453/2010

Sustituto del Plomo is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

**15.1.2. National regulations**

Water hazard class (WGK) : 2 - hazard to waters

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

Full text of R-, H- and EUH-statements:

- **Acute Tox. 4 (Oral)**: Acute toxicity (oral), Category 4
- **Aquatic Acute 1**: Hazardous to the aquatic environment — Acute Hazard, Category 1
- **Aquatic Chronic 1**: Hazardous to the aquatic environment — Chronic Hazard, Category 1
- **Aquatic Chronic 3**: Hazardous to the aquatic environment — Chronic Hazard, Category 3
- **Asp. Tox. 1**: Aspiration hazard, Category 1
- **Eye Dam. 1**: Serious eye damage/eye irritation, Category 1
- **Eye Irrit. 2**: Serious eye damage/eye irritation, Category 2
- **Skin Irrit. 2**: Skin corrosion/irritation, Category 2
- **Skin Sens. 1**: Sensitisation — Skin, category 1
- **STOT RE 1**: Specific target organ toxicity — Repeated exposure, Category 1
- **STOT RE 2**: Specific target organ toxicity — Repeated exposure, Category 2
- **H302/400**: Harmful if swallowed
- **H304/410**: May be fatal if swallowed and enters airways
- **H315/412**: Causes skin irritation
- **H317/413**: May cause an allergic skin reaction
- **H318/414**: Causes serious eye damage
- **H319/415**: Causes serious eye irritation
- **H372/416**: Causes damage to organs through prolonged or repeated exposure
- **H373/417**: May cause damage to organs through prolonged or repeated exposure
- **H400/420**: Very toxic to aquatic life
- **H410/422**: Very toxic to aquatic life with long lasting effects
- **H412/424**: Harmful to aquatic life with long lasting effects
- **R22**: Harmful if swallowed
- **R36**: Toxic in contact with skin
- **R36/38**: Irritating to eyes and skin
- **R38**: Irritating to skin
- **R41**: Risk of serious damage to eyes
- **R43**: May cause sensitisation by skin contact
- **R48/20**: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- **R48/22**: Harmful: danger of serious damage to health by prolonged exposure if swallowed
- **R50/53**: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- **R52/53**: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- **R65**: Harmful: may cause lung damage if swallowed
- **R66**: Repeated exposure may cause skin dryness or cracking
- **N**: Dangerous for the environment
- **T**: Toxic
Sustituto del Plomo
Safety Data Sheet
according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Xi</th>
<th>Irritant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
</tbody>
</table>

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.