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

1.1. Product identifier

Product form: Mixture
Product name: Petrol Extreme Cleaner
Product code: W29793

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.
Function or use category: Fuel additives

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.com

1.4. Emergency telephone number

Emergency number: BIG: +32(0)14/58.45.45 (NL FR EN DE)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226
Skin Irrit. 2 H315
STOT RE 2 H373
Asp. Tox. 1 H304

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Signal word (CLP): Danger

Hazard pictograms (CLP): GHS02, GHS07, GHS08

Hazardous ingredients: hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); distillates (Fischer-Tropsch), C8-26, branched and linear

Hazard statements (CLP): H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Precautionary statements (CLP): P102 - Keep out of reach of children.
P405 - Store locked up.
P210 - Keep away from heat, open flames, sparks, hot surfaces. No smoking.
P260 - Do not breathe vapours.
P280 - Wear protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 - Do NOT induce vomiting.
2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% w</th>
<th>Classification according to Regulation (EC) No. 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>distillates (Fischer-Tropsch), C8-26, branched and linear</td>
<td>(CAS-No.) 848301-67-7</td>
<td>50 - 75</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 481-740-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-0000020119-75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyetheramine</td>
<td>(CAS-No.) 224622-34-8</td>
<td>10 - 25</td>
<td>Skin Irrit. 2, H315, Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>4-methylpentan-2-ol</td>
<td>(CAS-No.) 108-11-2</td>
<td>5 - 10</td>
<td>Flam. Liq. 3, H226, Eye Irrit. 2, H319, STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 203-551-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC Index-No.) 603-008-00-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-2119473977-13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>(EC-No.) 919-164-8</td>
<td>1 - 2,5</td>
<td>STOT RE 1, H372, Asp. Tox. 1, H304, Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td></td>
<td>(EC Index-No.) 603-008-00-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-2119473977-17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-methylpentan-2-ol</td>
<td>(CAS-No.) 108-11-2</td>
<td>(C &gt;= 25) STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 203-551-7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC Index-No.) 603-008-00-8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-2119473977-13</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures


First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor 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. If eye irritation persists: Get medical advice/attention.

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

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

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after ingestion: Risk of aspiration pneumonia. May be fatal if swallowed and enters airways.

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: Flammable liquid and vapour. Gas/vapour spreads at floor level: ignition hazard. Take precautionary measures against static discharge.

Explosion hazard: No direct explosion hazard.

5.3. Advice for firefighters
Firefighting instructions: Prevent fire fighting water from entering the environment.

06/03/2019
**SECTION 6: Accidental release measures**

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

**General measures**: Do not enter fire area without proper protective equipment, including respiratory protection.

**6.1.1. For non-emergency personnel**

**Protective equipment**: Wear suitable gloves and eye/face protection, protective clothing.

**Emergency procedures**: Mark the danger area. Prevent flow to low areas. Use self-contained breathing apparatus. Take off contaminated clothing.

**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**: Impound and recover large spill. 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. Clean preferably with a detergent - Avoid the use of solvents.

**6.4. Reference to other sections**

For further information refer to section 8: "Exposure controls/personal protection".

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Precautions for safe handling**: Meet the legal requirements. Repeated exposure may cause skin dryness or cracking. Presents no particular risk when handled in accordance with good occupational hygiene practice.

**Hygiene measures**: Use good personal hygiene practices. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

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

**Storage conditions**: Meet the legal requirements. Protect from sunlight. Store in a well-ventilated place.

**Storage temperature**: < 45 °C

**Storage area**: Meet the legal requirements. Fireproof storeroom. Ventilation along the floor.

**Special rules on packaging**: Store in a closed container. Labelling according to.

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

Read label before use. Observe the label precautions. See product bulletin for detailed information.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

<table>
<thead>
<tr>
<th>Country</th>
<th>Limit value (mg/m³)</th>
<th>Limit value (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>533 mg/m³</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**4-methylpentan-2-ol (108-11-2)**

<table>
<thead>
<tr>
<th>Country</th>
<th>Limit value (mg/m³)</th>
<th>Limit value (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>106 mg/m³</td>
<td>25 ppm</td>
</tr>
</tbody>
</table>

**Remark (BE)**: D

**VME**: 100 mg/m³

**TRGS 900 Occupational exposure limit value**: 85 mg/m³
4-methylpentan-2-ol (108-11-2)

- **Germany**: TRGS 900 Occupational exposure limit value (ppm) 20 ppm
- **Italy - Portugal - USA**: ACGIH TWA (ppm) 25 ppm
- **Italy - Portugal - USA**: ACGIH STEL (ppm) 40 ppm
- **United Kingdom**: WEL TWA (mg/m³) 106 mg/m³
- **United Kingdom**: WEL TWA (ppm) 25 ppm
- **United Kingdom**: WEL STEL (mg/m³) 170 mg/m³
- **United Kingdom**: WEL STEL (ppm) 40 ppm

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**

- **PNEC (Sediment)**
  - PNEC sediment (freshwater): 2,06 mg/kg dwt
  - PNEC soil: 1,68 mg/kg dwt
  - PNEC sewage treatment plant: 10 mg/l

4-methylpentan-2-ol (108-11-2)

**DNEL/DMEL (Workers)**

- Acute - systemic effects, inhalation: 208 mg/m³
- Acute - local effects, inhalation: 104 mg/m³
- Long-term - systemic effects, dermal: 11,8 mg/kg bodyweight/day
- Long-term - systemic effects, inhalation: 83 mg/m³
- Long-term - local effects, inhalation: 83 mg/m³

**DNEL/DMEL (General population)**

- Acute - systemic effects, inhalation: 155,2 mg/m³
- Acute - local effects, inhalation: 52,1 mg/m³
- Long-term - systemic effects, oral: 4,2 mg/kg bodyweight/day
- Long-term - systemic effects, inhalation: 14,7 mg/m³
- Long-term - systemic effects, dermal: 4,2 mg/kg bodyweight/day
- Long-term - local effects, inhalation: 14,7 mg/m³

**PNEC (Water)**

- PNEC aqua (freshwater): 0,6 mg/l
- PNEC aqua (marine water): 0,06 mg/l
- PNEC aqua (intermittent, freshwater): 3,3 mg/l
- PNEC (Sediment)
  - PNEC sediment (freshwater): 2,94 mg/kg dwt
  - PNEC sediment (marine water): 0,3 mg/kg dwt
- PNEC (Soil)
  - PNEC soil: 0,24 mg/kg dwt
- PNEC (STP)
  - PNEC sewage treatment plant: 1 mg/l

### 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 rubber. 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>
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<tr>
<td>Colour</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>petroleum-like odour</td>
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<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td></td>
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<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Refraction index</td>
<td>1.435</td>
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<tr>
<td>Melting point</td>
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<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>48 °C</td>
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<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density @20°C</td>
<td>800 kg/m³</td>
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<tr>
<td>Solubility</td>
<td>insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
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<tr>
<td>Log Kow</td>
<td>No data available</td>
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<tr>
<td>Viscosity, kinematic @40°C</td>
<td>3.79 mm²/s</td>
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<tr>
<td>Viscosity, dynamic @40°C</td>
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<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity Index</td>
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</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
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<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

VOC content: 84,61 %
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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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

Acute toxicity: Harmful: may cause lung damage if swallowed

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
- LD50 oral rat: > 5000 mg/kg bodyweight Sprague-Dawley
- LD50 dermal rat: > 2000 mg/kg bodyweight Sprague-Dawley

**hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**
- LD50 oral rat: > 15000 mg/kg
- LD50 dermal rabbit: 3400 mg/kg
- LC50 inhalation rat (mg/l): > 13,1 mg/l/4h

**4-methylpentan-2-ol (108-11-2)**
- LD50 oral rat: 2590 mg/kg bodyweight
- LD50 dermal rabbit: 2870 mg/kg bodyweight
- LC50 inhalation rat (mg/l): > 16 mg/l/4h Wistar
- ATE CLP (oral): 2590 mg/kg bodyweight
- ATE CLP (dermal): 2870 mg/kg bodyweight

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: May cause damage to organs (central nervous system) through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: This product contains hazardous components for the aquatic environment.

Ecology - water: Harmful to aquatic life with long lasting effects.

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
- LC50 fish 1: > 1000 mg/l @96h Pimephales promelas
- EC50 Daphnia 1: > 1000 mg/l @48h Daphnia magna
- EC50 other aquatic organisms 1: > 1000 mg/l @72h Pseudokirchneriella subcapitata
- NOEC (acute): > 1000 mg/l @48h Daphnia magna

**4-methylpentan-2-ol (108-11-2)**
- LC50 fish 1: > 92,4 mg/l @96h Pimephales promelas
- EC50 Daphnia 1: 48h 337 mg/l Daphnia magna
- EC50 other aquatic organisms 1: 96h 334 mg/l Pseudokirchneriella subcapitata
- NOEC (acute): 48h 288 mg/l Daphnia magna

12.2. Persistence and degradability

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
Persistence and degradability: Readily biodegradable.

**4-methylpentan-2-ol (108-11-2)**
Persistence and degradability: Readily biodegradable in water. easily degradable in the soil.

12.3. Bioaccumulative potential

**distillates (Fischer-Tropsch), C8-26, branched and linear (848301-67-7)**
Log Pow: > 6,5 @40°C

12.4. Mobility in soil

No additional information available
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
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant.
European List of Waste (LoW) code: 18 01 06* - chemicals consisting of or containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number
UN-No. (ADR): 1993

14.2. UN proper shipping name
Proper Shipping Name (ADR): FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)
Class (ADR): 3
Danger labels (ADR): 3

14.4. Packing group
Packing group (ADR): III

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

14.6. Special precautions for user

14.6.1. Overland transport
Hazard identification number (Kemler No.): 30
Classification code (ADR): F1
Orange plates: 30

Special provisions (ADR): 274, 601, 640E
Transport category (ADR): 3
Tunnel restriction code (ADR): D/E
Limited quantities (ADR): 5l
Excepted quantities (ADR): E1
EAC code: •3YE

14.6.2. Transport by sea
EmS-No. (1): F-E, S-E

14.6.3. Air transport
Instruction "cargo" (ICAO): 366
Instruction "passenger” (ICAO): 355
Instruction "passenger" - Limited quantities (ICAO)

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 REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 84,61 %

15.1.2. National regulations
Water hazard class (WGK) : 1 - Slightly hazardous to water

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:
Aquatic Chronic 3
Asp. Tox. 1
Eye Irrit. 2
Flam. Liq. 3
Skin Irrit. 2
STOT RE 1
STOT RE 2
STOT SE 3
H226
H304
H315
H319
H335
H372
H373
H412

Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aspiration hazard, Category 1
Serious eye damage/eye irritation, Category 2
Flammable liquids, Category 3
Skin corrosion/irritation, Category 2
Specific target organ toxicity — Repeated exposure, Category 1
Specific target organ toxicity — Repeated exposure, Category 2
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

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.