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

1.1. Product identifier

Product form : Mixture
Product name : Clean Burn Diesel Smoke Treatment
Product code : W67969

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 : Diesel fuel 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]
Flam. Liq. 3 H226
Org. Perox. E H242
Muta. 2 H341
STOT RE 1 H372
Asp. Tox. 1 H304
Aquatic Chronic 3 H412

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Muta.Cat.3; R68
O; R7
Xn; R65
Xn; R48/20
R10
R66
R52/53

Full text of R-phrases: see section 16

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) : GHS02 GHS08

Signal word (CLP) : Danger
Hazardous ingredients : Di-tert-butyl peroxide, hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hazard statements (CLP) : H226 - Flammable liquid and vapour
Clean Burn Diesel Smoke Treatment
Safety Data Sheet
according to Regulation (EC) No. 453/2010

H242 - Heating may cause a fire
H304 - May be fatal if swallowed and enters airways
H341 - Suspected of causing genetic defects
H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

EUH-statements: EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements (CLP):
P102 - Keep out of reach of children
P405 - Store locked up
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P234 - Keep only in original container
P260 - Do not breathe vapours
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>% w</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>(EC no) 919-164-8 (REACH-no) 01-2119473977-17</td>
<td>75 - 90</td>
<td>Xn; R48/20 Xn; R65 R66</td>
</tr>
<tr>
<td>Di-tert-butyl peroxide</td>
<td>(CAS No) 110-05-4 (EC no) 203-733-6 (EC index no) 617-001-00-2 (REACH-no) 01-2119513335-48</td>
<td>5 - 10</td>
<td>O; R7 F; R11 Muta.Cat.3; R68 R52/53</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic</td>
<td>(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3</td>
<td>1 - 2,5</td>
<td>Xn; R65 N; R51/53 R66 R67</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2 (REACH-no) 01-2119561346-37</td>
<td>0,1 - 1</td>
<td>Carc.Cat.3; R40 Xn; R22 N; R50/53</td>
</tr>
</tbody>
</table>

<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>
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<td>hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</td>
<td>(EC no) 919-164-8 (REACH-no) 01-2119473977-17</td>
<td>75 - 90</td>
<td>STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Di-tert-butyl peroxide</td>
<td>(CAS No) 110-05-4 (EC no) 203-733-6 (EC index no) 617-001-00-2 (REACH-no) 01-2119513335-48</td>
<td>5 - 10</td>
<td>Flam. Liq. 2, H225 Org. Perox. E, H242 Muta. 2, H341 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy aromatic</td>
<td>(CAS No) 64742-94-5 (EC no) 265-198-5 (EC index no) 649-424-00-3</td>
<td>1 - 2,5</td>
<td>STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2 (REACH-no) 01-2119561346-37</td>
<td>0,1 - 1</td>
<td>Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

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 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 or doctor/physician 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: 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: skin corrosion/irritation. Repeated exposure may cause skin dryness or cracking.


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. Heating may cause a fire. 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: Wear suitable gloves and eye/face protection. protective clothing.

Emergency procedures: Mark the danger area. Seal off low-lying areas. Large spills/in enclosed spaces: compressed air apparatus. Ventilate spillage area. Take off contaminated clothing and wash before reuse.

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. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Does not require any specific or particular technical measures.

Storage conditions: Store in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage temperature: < 45 °C

Storage area: Meets the legal requirements. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place. Ventilation along the floor.

8.1. Control parameters

hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ACGIH TWA (ppm) 100 ppm

Naphthalene (91-20-3)

<table>
<thead>
<tr>
<th>Country</th>
<th>IOELV TWA (mg/m³)</th>
<th>Limit value (mg/m³)</th>
<th>Short time value (mg/m³)</th>
<th>Short time value (ppm)</th>
<th>Remark (BE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>50 mg/m³</td>
<td>53 mg/m³</td>
<td>80 mg/m³</td>
<td>15 ppm</td>
<td>D</td>
</tr>
<tr>
<td>EU</td>
<td>10 ppm</td>
<td>10 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (ppm)</td>
<td>10 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
<td></td>
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<tr>
<td>Belgium</td>
<td>Short time value (mg/m³)</td>
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<td>Belgium</td>
<td>Short time value (ppm)</td>
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<tr>
<td>Belgium</td>
<td>Remark (BE)</td>
<td></td>
<td></td>
<td></td>
<td>D</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. Provide good ventilation in process area to prevent formation of vapour. 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

Physical state: Liquid
Appearance: Clear.
Colour: Yellow.
Odour: petroleum-like odour.
Odour threshold: No data available
Clean Burn Diesel Smoke Treatment
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according to Regulation (EC) No. 453/2010

pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
refraction index : 1,444
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : 43 °C
Auto-ignition temperature : No data available
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 : 803 kg/m³
Solubility : Insoluble in water.
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic @40°C : 1,29 mm²/s
Viscosity, dynamic @40°C : No data available
Viscosity : 
Viscosity Index : 
Explosive properties : Heating may cause a fire.
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
VOC content : 97,35 %
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. Heating may cause a fire.

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 oxidizers, strong acids and strong bases.

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

Naphthalene (91-20-3)
ATE CLP (oral) : 500,000 mg/kg bodyweight
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Suspected of causing genetic defects.
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Causes 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. May cause long lasting harmful effects to aquatic life.
Ecology - water: Harmful to aquatic life with long lasting effects.

Naphthalene (91-20-3)
LC50 fish 1 6,08 mg/l 96h

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

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
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
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
1993

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) : Y344

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
Clean Burn Diesel Smoke Treatment is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
VOC content : 97,35 %

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 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3
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according to Regulation (EC) No. 453/2010

Asp. Tox. 1
Aspiration hazard, Category 1
Carc. 2
Carcinogenicity, Category 2
Flam. Liq. 2
Flammable liquids, Category 2
Flam. Liq. 3
Flammable liquids, Category 3
Muta. 2
Germ cell mutagenicity, Category 2
Org. Perox. E
Organic Peroxides, Type E
STOT RE 1
Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3
Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225
Highly flammable liquid and vapour
H226
Flammable liquid and vapour
H242
Heating may cause a fire
H302
Harmful if swallowed
H304
May be fatal if swallowed and enters airways
H336
May cause drowsiness or dizziness
H341
Suspected of causing genetic defects
H351
Suspected of causing cancer
H372
Causes damage to organs through prolonged or repeated exposure
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
R10
Flammable
R11
Highly flammable
R22
Harmful if swallowed
R40
Limited evidence of a carcinogenic effect
R48/20
Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53
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
R67
Vapours may cause drowsiness and dizziness
R68
Possible risk of irreversible effects
R7
May cause fire
F
Highly flammable
N
Dangerous for the environment
O
Oxidising
Xn
Harmful

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.