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

1.1. Product identifier
Product form : Mixture
Trade name : Catalytic Converter and Oxygen sensor cleaner
Product code : 534

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
No additional information available
1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Wynn Oil Pty Ltd
22 Mopedi Street
P.O. Box 680
1610 Edenvale - South Africa
T 011-609 3708 - F 011 609 2218
safety@wynns.co.za - www.wynns.co.za

1.4. Emergency telephone number
Emergency number : 011-609 3708

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flammable liquids, Category 2 H225
Organic Peroxides, Type E H242
Acute toxicity (oral), Category 2 H300
Acute toxicity (inhalation:vapour) Category 2 H330
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317
Germ cell mutagenicity, Category 2 H341
Reproductive toxicity, Category 2 H361
Specific target organ toxicity — Repeated exposure, Category 1 H372
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Adverse physicochemical, human health and environmental effects
Highly flammable liquid and vapour. Heating may cause a fire. Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Fatal if inhaled. Fatal if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP) : GHS02 GHS06 GHS08
Signal word (CLP) : Danger
Hazardous ingredients : solvent naphtha(petroleum), medium aliph.; Hydrocarbons, C10-C13, n-alkanes, <2% aromatics; xylene; 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve; 2-ethylhexanal; di-tert-butyl peroxide
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Hazard statements (CLP):
- H225 - Highly flammable liquid and vapour.
- H242 - Heating may cause a fire.
- H300+H330 - Fatal if swallowed or if inhaled.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H341 - Suspected of causing genetic defects.
- H361 - Suspected of damaging fertility or the unborn child.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P234 - Keep only in original packaging.
- P240 - Ground and bond container and receiving equipment.
- P241 - Use explosion-proof equipment.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash hands, forearms and face thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P284 - Wear respiratory protection.
- P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P302+P352 - IF ON SKIN: Wash with plenty of water.
- P303+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P305+P351+P338 - IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor.
- P314 - Get medical advice/attention if you feel unwell.
- P321 - Specific treatment is urgent (see supplemental first aid instruction on this label).
- P321 - Specific treatment (see supplemental first aid instruction on this label).
- P330 - Rinse mouth.
- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362+P364 - Take off contaminated clothing and wash it before reuse.
- P370+P378 - In case of fire: Use media other than water to extinguish.
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
- P404+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P411 - Store at temperatures not exceeding.
- P412 - Store separately.
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve</td>
<td>(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0</td>
<td>15 - 25</td>
<td>Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H319 Skin Sens. 1B, H315</td>
</tr>
</tbody>
</table>
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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a physician immediately. Call a doctor.
First-aid measures after skin contact: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact: 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. Call a physician immediately.

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

Symptoms/effects after skin contact: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact: Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapour. Heating may cause a fire.
Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.
6.3. Methods and material for containment and cleaning up

Methods for cleaning up
- Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information
- Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures
- Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures
- Ground/bond container and receiving equipment.

Storage conditions
- Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from other materials. Protect from sunlight. Keep only in original container. Store locked up.

Incompatible materials
- combustible materials.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls:
Avoid release to the environment.

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>Pale yellow or light brown oily liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>light yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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Boiling point: No data available
Flash point: <= 34 °C
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Heating may cause a fire.
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density: ≈ 851.42 kg/m³
Solubility: No data available
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Highly flammable liquid and vapour. Heating may cause a fire.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
Combustible materials.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity (oral)</th>
<th>Oral: Fatal if swallowed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Inhalation: vapour: Fatal if inhaled.</td>
</tr>
</tbody>
</table>

ATE CLP (oral) 9.662 mg/kg bodyweight
ATE CLP (vapours) 0.934 mg/l/4h

solvent naphtha (petroleum), medium aliph. (64742-88-7)
LD50 oral rat > 5000 mg/kg bodyweight (Equivalent or similar to OECD 420, Rat, Male/female, Experimental value)
LD50 dermal rabbit > 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male/female, Experimental value)
LC50 inhalation rat (mg/l) > 5.28 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Experimental value)

xylene (1330-20-7)
LD50 oral rat ≈ 4300 mg/kg
LD50 dermal rabbit ≈ 2000 mg/kg

2-ethylhexanal (123-05-7)
LD50 oral rat 2600 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value)
LD50 dermal rat > 16440 mg/kg bodyweight (Rat, Male/female, Experimental value)
LD50 dermal rabbit 4133 mg/kg (Rabbit)
LC50 inhalation rat (mg/l) > 6.83 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value)
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: May cause an allergic skin reaction.
Germ cell mutagenicity: Suspected of causing genetic defects.
Carcinogenicity: Not classified
Reproductive toxicity: Suspected of damaging fertility or the unborn child.

STOT-single exposure: Not classified
STOT-repeated exposure: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

2-ethylhexanal (123-05-7)
LC50 fish 1: 8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri)
LC50 fish 2: 5.5 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1: 4.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
ErC50 (algae): 6.9 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)

2-ethylhexanal (123-05-7)

12.2. Persistence and degradability

solvent naphtha(petroleum), medium aliph. (64742-88-7)
Persistence and degradability: Readily biodegradable in water.

N,N,N',N'-tetrakis(2-hydroxypropyl)-ethylenediamine (102-60-3)
Persistence and degradability: No bioaccumulation data available.

2-ethylhexanal (123-05-7)
Persistence and degradability: Readily biodegradable in water.
Chemical oxygen demand (COD): 1.33 g O₂/g substance
ThOD: 2.875 g O₂/g substance

12.3. Bioaccumulative potential

solvent naphtha(petroleum), medium aliph. (64742-88-7)
Bioaccumulative potential: No bioaccumulation data available.

N,N,N',N'-tetraakis(2-hydroxypropyl)-ethylenediamine (102-60-3)
Bioaccumulative potential: No bioaccumulation data available.

2-ethylhexanal (123-05-7)
BCF other aquatic organisms: 21 (Estimated value)
Log Pow: 3.07 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

solvent naphtha(petroleum), medium aliph. (64742-88-7)
Ecology - soil: Adsorbs into the soil.

N,N,N',N'-tetraakis(2-hydroxypropyl)-ethylenediamine (102-60-3)
Surface tension: 63.94 N/m (20 °C, 0.1 vol %)
Ecology - soil: No (test)data on mobility of the substance available.

2-ethylhexanal (123-05-7)
Surface tension: 47.1 N/m (20.2 °C, Experimental value, 0.73 g/l)
Ecology - soil: Adsorbs into the soil.

12.5. Results of PBT and vPvB assessment
Component
solvent naphtha (petroleum), medium aliph.
(64742-88-7)

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 treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.
Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

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

14.1. UN number
UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name
Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)
ADR
Transport hazard class(es) (ADR) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group
Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user
- Overland transport
Not applicable
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- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

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

15.1.2. National regulations

Germany
Reference to AwSV : Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV, Annex 1)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands
SZW-lijst van kankerverwekkende stoffen : solvent naphtha(petroleum), medium aliph. is listed
SZW-lijst van mutagene stoffen : solvent naphtha(petroleum), medium aliph. is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : xylene is listed

Denmark
Class for fire hazard : Class II-1
Store unit : 5 liter
Classification remarks : R10 <H225;H242;H300+H330;H315;H317;H341;H361;H372;H412>; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

- Acute Tox. 1 (Inhalation) : Acute toxicity (inhal.), Category 1
- Acute Tox. 1 (Oral) : Acute toxicity (oral), Category 1
- Acute Tox. 4 (Dermal) : Acute toxicity (dermal), Category 4
- Acute Tox. 4 (Inhalation) : Acute toxicity (inhal.), Category 4
- Acute Tox. 4 (Oral) : Acute toxicity (oral), Category 4
- Aquatic Acute 1 : Hazardous to the aquatic environment — Acute Hazard, Category 1
### Catalytic Converter and Oxygen sensor cleaner

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<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Muta. 2</td>
<td>Germ cell mutagenicity, Category 2</td>
</tr>
<tr>
<td>Org. Perox. E</td>
<td>Organic Peroxides, Type E</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitisation, category 1B</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity — Repeated exposure, Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Narcosis</td>
</tr>
</tbody>
</table>

#### SDS EU (REACH Annex II)

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.