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

1.1. Product identifier
Product form : Mixture
Product name : Brake and Clutch Cleaner (Aerosol)
Product code : W61479

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 : Cleaning product
Function or use category : Aerosol propellants

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]
Aerosol 1 H222;H229
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H336
Aquatic Chronic 2 H411

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
F+; R12
Xi; R38
N; R51/53
R67

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)

Signal word (CLP) : Danger
Hazard statements (CLP)
H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects
Brake and Clutch Cleaner (Aerosol)
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Precautionary statements (CLP):
P261 - Avoid breathing vapours, spray
P280 - Wear protective gloves, eye protection
P271 - Use only outdoors or in a well-ventilated area
P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F


<table>
<thead>
<tr>
<th>Component</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>aliphatic hydrocarbons</td>
<td>≥30%</td>
</tr>
</tbody>
</table>

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, C7, n-alkanes, isoalkanes, cyclics</td>
<td>(EC no) 927-510-4 (REACH-no) 01-2119475515-33</td>
<td>25 - 50</td>
<td>F; R11 Xi; R38 N; R51/S3 Xn; R65 R67</td>
</tr>
<tr>
<td>hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>(EC no) 931-254-9 (REACH-no) 01-2119484651-34</td>
<td>25 - 50</td>
<td>F; R11 Xi; R38 N; R51/S3 Xn; R65 R67</td>
</tr>
<tr>
<td>Ethanol</td>
<td>(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43</td>
<td>10 - 25</td>
<td>F; R11 Xi; R36 R66 R67</td>
</tr>
<tr>
<td>Acetone</td>
<td>(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49</td>
<td>10 - 25</td>
<td>F; R11 Xi; R36 R66 R67</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>
<tbody>
<tr>
<td>hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</td>
<td>(EC no) 927-510-4 (REACH-no) 01-2119475515-33</td>
<td>25 - 50</td>
<td>Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</td>
<td>(EC no) 931-254-9 (REACH-no) 01-2119484651-34</td>
<td>25 - 50</td>
<td>Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Ethanol</td>
<td>(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43</td>
<td>10 - 25</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Acetone</td>
<td>(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49</td>
<td>10 - 25</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336</td>
</tr>
</tbody>
</table>
Brake and Clutch Cleaner (Aerosol)
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Name: Ethanol
Product identifier: (CAS No) 64-17-5
(Ec no) 200-578-6
(EC index no) 603-002-00-5
(REACH-no) 01-2119457610-43

Specific concentration limits: (C >= 50) Eye Irrit. 2, H319

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. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Vapours may cause drowsiness and dizziness.
Symptoms/injuries after inhalation: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. May cause respiratory irritation.
Symptoms/injuries after skin contact: Dry skin. Red skin. skin corrosion/irritation.
Symptoms/injuries after eye contact: Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: None to our knowledge. If there is a fire close by, use suitable extinguishing agents. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Extremely flammable aerosol. Heating may cause a fire or explosion.
Explosion hazard: No direct explosion hazard. Contains gas under pressure; may explode if heated. Pressurised container: May burst if heated.

5.3. Advice for firefighters
Firefighting instructions: Physical explosion risk: extinguish/cool from behind cover. Cool closed containers exposed to fire with water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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. Large spills/in enclosed spaces: compressed air apparatus.
Emergency procedures: Exposure to fire/heat: keep upwind. Mark the danger area. Stop engines and no smoking. No naked flames, sparks, and do not smoke. Close doors and windows of adjacent premises. Seal off low-lying areas. Use spark-/explosionproof appliances and lighting system. Large spills/in confined spaces: consider evacuation. Take off contaminated clothing and wash before reuse.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area.

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: Collect spillage.
Methods for cleaning up: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Scoop absorbed substance into closing containers. Wash clothing and equipment after handling.

6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Meets the legal requirements. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Use spark-/explosionproof appliances and lighting system. 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
Storage conditions: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Keep cool.
Storage temperature: < 45 °C
Heat and ignition sources: Keep away from sources of ignition - No smoking. Keep away from heat.
Prohibitions on mixed storage: Keep away from strong acids and strong oxidizers.
Storage area: Meets the legal requirements. Fireproof storeroom. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place. Store in a dry place. Ventilation along the floor.
Special rules on packaging: Meets the legal requirements. correctly labelled.
Packaging materials: Pressurised small gas containers (aerosol cans).

7.3. Specific end use(s)
See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>Belgium</th>
<th>Limit value (mg/m³)</th>
<th>EU</th>
<th>Limit value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol (64-17-5)</td>
<td></td>
<td>1907 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone (67-64-1)</td>
<td></td>
<td></td>
<td>EU</td>
<td>1210 mg/m³</td>
</tr>
<tr>
<td>EU</td>
<td></td>
<td>500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>1210 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>500 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>2420 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
<td>1000 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Brake and Clutch Cleaner (Aerosol)
Safety Data Sheet
according to Regulation (EC) No. 453/2010

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.


Hand protection: Nitrile rubber. Neoprene. Butyl 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Aerosol.
Colour: No data available
Odour: Characteristic.
Odour threshold: No data available
pH: 
Relative evaporation rate (butylacetate=1): No data available
refraction index: 
Melting point: < -20 °C
Freezing point: No data available
Boiling point: 56 - 95 °C
Flash point: < -18 °C
Auto-ignition temperature: 370 °C
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: 190 hPa
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density @20°C: 704 kg/m³
Solubility: Partially soluble.
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic @40°C: No data available
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

9.2. Other information

Additional information: Physical and chemical properties of the active product without gas. 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
Extremely flammable aerosol. Stable under normal conditions. Contains gas under pressure; may explode if heated.

10.3. Possibility of hazardous reactions
Heating causes rise in pressure with risk of bursting. Heating may cause a fire or explosion.

10.4. Conditions to avoid
No additional information available

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>Characteristic</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</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 irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</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>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - general</td>
<td>No data available. This product contains hazardous components for the aquatic environment.</td>
</tr>
<tr>
<td>Ecology - water</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brake and Clutch Cleaner (Aerosol)</td>
<td>The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.</td>
</tr>
<tr>
<td>Ethanol (64-17-5)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol (64-17-5)</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available
SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Remove to an authorized waste treatment plant. Pressurized container: Do not pierce or burn, even after use.

European List of Waste (LoW) code: 18 01 06* - chemicals consisting of or containing dangerous substances 15 01 11* - metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers

SECTION 14: Transport information

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

14.1. UN number
UN-No. (ADR): 1950

14.2. UN proper shipping name
Proper Shipping Name (ADR): AEROSOLS
Transport document description (ADR): UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)
Class (ADR): 2
Subsidiary risk (IMDG): 2.1
Subsidiary risk (IATA): 2.1
Danger labels (ADR): 2.1

14.4. Packing group
Not applicable

14.5. Environmental hazards
Dangerous for the environment:

Other information: No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport
Classification code (ADR): 5F
Special provisions (ADR): 190, 327, 344, 625
Transport category (ADR): 2
Tunnel restriction code (ADR): D
Limited quantities (ADR): 1l

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

14.6.3. Air transport
Instruction "cargo" (ICAO): 203
Instruction "passenger" (ICAO): 203/Y203

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
Brake and Clutch Cleaner (Aerosol)
Safety Data Sheet
according to Regulation (EC) No. 453/2010

Brake and Clutch Cleaner (Aerosol) 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:

Aerosol 1
Aquatic Chronic 2
Asp. Tox. 1
Eye Irrit. 2
Flam. Liq. 2
Skin Irrit. 2
STOT SE 3
H222
H225
H229
H304
H315
H319
H336
H411
R11
R12
R36
R38
R51/53
R65
R66
R67
F
F+
N
Xi
Xn
Aerosol, Category 1
Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aspiration hazard, Category 1
Serious eye damage/eye irritation, Category 2
Flammable liquids, Category 2
Skin corrosion/irritation, Category 2
Specific target organ toxicity — Single exposure, Category 3, Narcosis
Extremely flammable aerosol
Highly flammable liquid and vapour
Pressurised container: May burst if heated
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects
Highly flammable
Extremely flammable
Irritating to eyes
Irritating to skin
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Harmful: may cause lung damage if swallowed
Repeated exposure may cause skin dryness or cracking
Vapours may cause drowsiness and dizziness
Highly flammable
Extremely flammable
Dangerous for the environment
Irritant
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.