



# Brake and Clutch Cleaner (Aerosol)

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

MSDS Version: E03.03

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Blend Version: 2

### 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](mailto:msds@wynns.eu) - [www.wynns.be](http://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) :



GHS02

GHS07

GHS09

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

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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

Detergent Regulation : Labelling of contents:(Regulation (EC) No. 648/2004 of 31 March 2004 on detergents):

Component	%
aliphatic hydrocarbons	>=30%

### 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, C7, n-alkanes, isoalkanes, cyclics	(EC no) 927-510-4 (REACH-no) 01-2119475515-33	25 - 50	F; R11 Xi; R38 N; R51/53 Xn; R65 R67
hydrocarbons, C6, isoalkanes, <5% n-hexane	(EC no) 931-254-9 (REACH-no) 01-2119484651-34	25 - 50	F; R11 Xi; R38 N; R51/53 Xn; R65 R67
Ethanol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	10 - 25	F; R11
Acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49	10 - 25	F; R11 Xi; R36 R66 R67
Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	(EC no) 927-510-4 (REACH-no) 01-2119475515-33	25 - 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
hydrocarbons, C6, isoalkanes, <5% n-hexane	(EC no) 931-254-9 (REACH-no) 01-2119484651-34	25 - 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Ethanol	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43	10 - 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49	10 - 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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### 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 general : Check the vital functions. Victim conscious with laboured breathing: half-seated. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice.
- 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

- Suitable extinguishing media : Water spray. Alcohol resistant foam. ABC-powder. Carbon dioxide.
- 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.

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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

#### Ethanol (64-17-5)

Belgium Limit value (mg/m<sup>3</sup>) 1907 mg/m<sup>3</sup>

Belgium Limit value (ppm) 1000 ppm

#### Acetone (67-64-1)

EU IOELV TWA (mg/m<sup>3</sup>) 1210 mg/m<sup>3</sup>

EU IOELV TWA (ppm) 500 ppm

Belgium Limit value (mg/m<sup>3</sup>) 1210 mg/m<sup>3</sup>

Belgium Limit value (ppm) 500 ppm

Belgium Short time value (mg/m<sup>3</sup>) 2420 mg/m<sup>3</sup>

Belgium Short time value (ppm) 1000 ppm

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### 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

: Protective clothing. Gloves. Protective goggles.



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/m <sup>3</sup>
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

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### 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

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On burning: release of harmful/irritant gases/vapours. Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: No data available. This product contains hazardous components for the aquatic environment.
Ecology - water	: Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### Brake and Clutch Cleaner (Aerosol)

Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) 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.
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#### Ethanol (64-17-5)

Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.
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### 12.3. Bioaccumulative potential

#### Ethanol (64-17-5)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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### 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

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### 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) : 1I

##### 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

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