



Petrol EGR Cleaner (Aerosol)

Safety Data Sheet

according to Regulation (EC) No. 453/2010

MSDS Version: E02.00

Date of issue: 30/01/2014

Blend Version: 1

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

1.1. Product identifier

Product form : Mixture
Product name : Petrol EGR Cleaner (Aerosol)
Product code : W29881

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

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 Directive 67/548/EEC or 1999/45/EC

F+; R12
Xn; R20/21
Xi; R38

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 Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



F+ - Extremely flammable



Xn - Harmful

Hazardous ingredients : Xylene

R-phrases : R12 - Extremely flammable
R20/21 - Harmful by inhalation and in contact with skin
R38 - Irritating to skin

S-phrases : S2 - Keep out of the reach of children
S16 - Keep away from sources of ignition - No smoking
S23 - Do not breathe vapour
S23 - Do not breathe spray
S36/37 - Wear suitable protective clothing and gloves
S46 - If swallowed, seek medical advice immediately and show this container or label
S51 - Use only in well-ventilated areas

Extra phrases : Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C
Do not pierce or burn, even after use
Do not spray on a naked flame or any incandescent material
Without adequate ventilation formation of explosive mixtures may be possible

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|---------------------|--|---------|--|
| Xylene | (CAS No)1330-20-7 (EC no)215-535-7 (EC index no)601-022-00-9 (REACH-no)01-2119488216-32 | 50 - 75 | R10 Xn; R20/21 Xi; R38 |
| Propane | (CAS No)74-98-6 (EC no)200-827-9 (EC index no)601-003-00-5 | 10 - 25 | F+; R12 |
| 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 |
| 4-methylpentan-2-ol | (CAS No)108-11-2 (EC no)203-551-7 (EC index no)603-008-00-8 (REACH-no)01-2119473979-13 | 2,5 - 5 | R10 Xi; R36/37/38 |

| Name | Product identifier | Specific concentration limits |
|---------------------|--|-------------------------------|
| Xylene | (CAS No)1330-20-7 (EC no)215-535-7 (EC index no)601-022-00-9 (REACH-no)01-2119488216-32 | (12,5 =< C) Xn; R20/21 |
| 4-methylpentan-2-ol | (CAS No)108-11-2 (EC no)203-551-7 (EC index no)603-008-00-8 (REACH-no)01-2119473979-13 | (25 =< C) Xi; R37 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|--|---------|---|
| Xylene | (CAS No)1330-20-7 (EC no)215-535-7 (EC index no)601-022-00-9 (REACH-no)01-2119488216-32 | 50 - 75 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation: dust,mist), H332 Skin Irrit. 2, H315 |
| Propane | (CAS No)74-98-6 (EC no)200-827-9 (EC index no)601-003-00-5 | 10 - 25 | Flam. Gas 1, H220 |
| 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 |
| 4-methylpentan-2-ol | (CAS No)108-11-2 (EC no)203-551-7 (EC index no)603-008-00-8 (REACH-no)01-2119473979-13 | 2,5 - 5 | Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 |

| Name | Product identifier | Specific concentration limits |
|---------------------|---|-------------------------------|
| 4-methylpentan-2-ol | (CAS No)108-11-2 (EC no)203-551-7 (EC index no)603-008-00-8 (REACH-no)01-2119473979-13 | (25 =< C) STOT SE 3, H335 |

Full text of R- and H-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Vomiting: prevent asphyxia/aspiration pneumonia. Victim in shock: on his back with legs slightly raised. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. |
| First-aid measures after inhalation | : Remove victim to fresh air. Respiratory problems: consult a doctor/medical service. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Take victim to a doctor if irritation persists. |
| 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. Take victim to an ophthalmologist if irritation persists. |
| First-aid measures after ingestion | : As it is a spray can packaging it is most unlikely that large quantities will be swallowed. Rinse mouth thoroughly with water. In the event of faintness, seek medical advice. |

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

| | |
|--------------------------------------|---|
| Symptoms/injuries | : Vapours may cause drowsiness and dizziness. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. |
| Symptoms/injuries after inhalation | : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Nausea. May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : Repeated or prolonged skin contact may cause dermatitis and defatting. skin irritation and erythema. |
| Symptoms/injuries after eye contact | : Irritation of the eye tissue. |
| Symptoms/injuries after ingestion | : Risk of aspiration pneumonia. Risk of lung oedema. |

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 | : powder, alcohol-resistant foam, carbon dioxide (CO ₂), water spray or hazy water. AFFF foam. |
| Unsuitable extinguishing media | : Solid water jet ineffective as extinguishing medium. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : Extremely flammable aerosol. Gas/vapour flammable with air within explosion limits. May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. |
| Explosion hazard | : Gas/vapour explosive with air within explosion limits. May explode on heating. |
| Reactivity | : On burning: release of carbon monoxide - carbon dioxide. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Physical explosion risk: extinguish/cool from behind cover. |
| Protection during firefighting | : Compressed air/oxygen apparatus. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : protective clothing. Protective goggles. Gloves. Large spills/in enclosed spaces: compressed air apparatus. |
| Emergency procedures | : Close doors and windows of adjacent premises. Seal off low-lying areas. No naked flames, sparks, and do not smoke. Stop engines and no smoking. Mark the danger area. Use spark-/explosionproof appliances and lighting system. Exposure to fire/heat: keep upwind. Large spills/in confined spaces: consider evacuation. Wash contaminated clothes. |

6.1.2. For emergency responders

| | |
|----------------------|-------------------|
| Emergency procedures | : Ventilate area. |
|----------------------|-------------------|

6.2. Environmental precautions

Prevent spreading in sewers. Prevent soil and water pollution.

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6.3. Methods and material for containment and cleaning up

- For containment : Try to reduce evaporation.
- Methods for cleaning up : Take up liquid spill into inert absorbent material. 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 : Meet the legal requirements. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Use spark-/explosionproof appliances and lighting system. Keep away from naked flames/heat. Keep away from sources of ignition - No smoking.

- Hygiene measures : Observe normal hygiene standards. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature : $\leq 45^{\circ}\text{C}$
- Heat and ignition sources : Keep away from sources of ignition - No smoking.
- Prohibitions on mixed storage : Keep away from: strong oxidants and strong acids.
- Storage area : Meet the legal requirements. Store in a dry place. Protect from heat and direct sunlight. Keep container tightly closed in a cool, well-ventilated place. Fireproof storeroom.
- Special rules on packaging : correctly labelled. meet the legal requirements.
- 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

Petrol EGR Cleaner (Aerosol)

| | | |
|----|---------------------------------------|----------------------------|
| EU | IOELV TWA (mg/m^3) | 221 mg/m^3 |
| EU | IOELV TWA (ppm) | 50 ppm |
| EU | IOELV STEL (mg/m^3) | 442 mg/m^3 |
| EU | IOELV STEL (ppm) | 100 ppm |
| EU | Notes | Xyleen |

Xylene (1330-20-7)

| | | |
|----------------|---------------------------------------|----------------------------|
| EU | IOELV TWA (mg/m^3) | 221 mg/m^3 |
| EU | IOELV TWA (ppm) | 50 ppm |
| EU | IOELV STEL (mg/m^3) | 442 mg/m^3 |
| EU | IOELV STEL (ppm) | 100 ppm |
| United Kingdom | WEL STEL (ppm) | 100 ppm |

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

| | | |
|---------------------------------|---|----------------------------|
| Belgium | Limit value (mg/m^3) | 106 mg/m^3 |
| Belgium | Limit value (ppm) | 25 ppm |
| Belgium | Short time value (mg/m^3) | 169 mg/m^3 |
| Belgium | Short time value (ppm) | 40 ppm |
| France | VME (mg/m^3) | 100 mg/m^3 |
| France | VME (ppm) | 25 ppm |
| Germany | TRGS 900 Occupational exposure limit value (mg/m^3) | 85 mg/m^3 |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 20 ppm |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 25 ppm |
| Italy - Portugal - USA ACGIH | ACGIH STEL (ppm) | 40 ppm |
| United Kingdom | WEL TWA (mg/m^3) | 106 mg/m^3 |
| United Kingdom | WEL TWA (ppm) | 25 ppm |
| United Kingdom | WEL STEL (mg/m^3) | 170 mg/m^3 |
| United Kingdom | WEL STEL (ppm) | 40 ppm |

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8.2. Exposure controls

Personal protective equipment

: Protective clothing. Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection. High vapour/gas concentration: self-contained respirator.



Materials for protective clothing

: GIVE GOOD RESISTANCE: nitrile. GIVE POOR RESISTANCE: neoprene.

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. |
| Odour threshold | : No data available |
| pH | : |
| Relative evaporation rate (butylacetate=1) | : No data available |
| refraction index | : |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 56,5 - 142 °C |
| Flash point | : -18 °C |
| Self ignition temperature | : 460 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : 23,3 hPa @20°C |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density @20°C | : 854 kg/m ³ @ 20 °C |
| 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

On burning: release of carbon monoxide - carbon dioxide.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|---|
| Acute toxicity | : Harmful by inhalation and in contact with skin. |
| Irritation | : Irritating to skin. |
| Corrosivity | : Not classified |
| Sensitisation | : Not classified |
| Repeated dose toxicity | : Not classified |
| Carcinogenicity | : Not classified |
| Mutagenicity | : Not classified |
| Toxicity for reproduction | : Not classified |
| Potential Adverse human health effects and symptoms | : Narcotic in high concentrations. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|----------------------|
| Ecology - general | : No data available. |
|-------------------|----------------------|

12.2. Persistence and degradability

Xylene (1330-20-7)

Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Photolysis in the air.

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

Persistence and degradability Readily biodegradable in water. Biodegradable in the soil.

12.3. Bioaccumulative potential

Xylene (1330-20-7)

Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Xylene (1330-20-7)

Ecology - soil May be harmful to plant growth, blooming and fruit formation.

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 | : Container under pressure. Do not drill or burn even after use. 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) | : 1950 |
|-------------|--------|

14.2. UN proper shipping name

| | |
|--------------------------------|------------------------------|
| Proper Shipping Name | : AEROSOLS |
| Transport document description | : UN 1950 AEROSOLS, 2.1, (D) |

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14.3. Transport hazard class(es)

Class (UN) : 2
Subsidiary risk (IMDG) : 2.1
Subsidiary risk (IATA) : 2.1
Hazard labels (UN) : 2.1



14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Classification code (UN) : 5F
Special provision (ADR) : 190, 327, 344, 625
Transport category (ADR) : 2
Tunnel restriction code : 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 73/78 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

No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Dermal)
Acute Tox. 4 (Inhalation: dust, mist)
Eye Irrit. 2
Flam. Gas 1
Flam. Liq. 2
Flam. Liq. 3
Skin Irrit. 2
STOT SE 3

STOT SE 3

H220
H225
H226
H312
H315
H319
H332
H335
H336
R10
R11
R12
R20/21
R36
R36/37/38
R38
R66
R67
F
F+
Xi
Xn

Acute toxicity (dermal), Category 4
Acute toxicity (inhalation: dust, mist) Category 4
Serious eye damage/eye irritation, Category 2
Flammable gases, Category 1
Flammable liquids, Category 2
Flammable liquids, Category 3
Skin corrosion/irritation, Category 2
Specific target organ toxicity — Single exposure, Category 3, Narcosis
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Extremely flammable gas
Highly flammable liquid and vapour
Flammable liquid and vapour
Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
Harmful if inhaled
May cause respiratory irritation
May cause drowsiness or dizziness
Flammable
Highly flammable
Extremely flammable
Harmful by inhalation and in contact with skin
Irritating to eyes
Irritating to eyes, respiratory system and skin
Irritating to skin
Repeated exposure may cause skin dryness or cracking
Vapours may cause drowsiness and dizziness
Highly flammable
Extremely flammable
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