



# SAFETY DATA SHEET

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Revised edition no : 3

Date : 23 / 2 / 2016

Supersedes : 21 / 9 / 2012

## EGR VALVE CLEANER

4326



2.1 : flammable gas.

**Danger**



### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Identification of the product : Aerosols dispensers.  
Trade name : EGR VALVE CLEANER

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

See product bulletin for detailed information.

#### 1.3. Details of the supplier of the safety data sheet

Producer/Manufacturer : SADAPS BARD AHL Additives & Lubricants  
ZI TOURNAI OUEST 2  
RUE DU MONT DES CARLIERS, 3  
7522 TOURNAI Belgique-Belgie  
TEL : +32 (0).69.59.03.60  
FAX : +32 (0).69.59.03.61  
MAIL : msds@bardahlfrance.com

#### 1.4. Emergency telephone number

+32 (0)70.245.245

### SECTION 2 Hazards identification

#### 2.1. Classification of the substance or mixture

##### Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- Health hazards : Skin irritation - Category 2 - Warning  
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2)
  - Supplemental hazard information : EUH066 - Repeated exposure may cause skin dryness or cracking.
  - Physical hazards : Pressurised container: May burst if heated.  
Flammable aerosols - Category 1 - Danger (CLP : Flam. Aerosol 1)
- Text of H-Phrases : : SECTION 16

#### 2.2. Label elements

##### Labelling Regulation EC 1272/2008 (CLP)


- Hazard pictograms



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### SECTION 2 Hazards identification (continued)

- **Hazard pictograms code** : SGH02 - SGH07
- **Signal words** : Danger
- **Hazard statements** : H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.
- **Supplemental hazard information** : EUH066 - Repeated exposure may cause skin dryness or cracking.
- **Precautionary statements**
  - **General** : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.
  - **Prevention** : 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.  
P260 - Do not breathe gas/spray.  
P262 - Do not get in eyes, on skin, or on clothing.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/eye protection/face protection.
  - **Response** : P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.
  - **Storage** : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
  - **Disposal considerations** : P501 - Dispose of contents/container in accordance with local regulations.
- **Contains** : 30 % and more aliphatic hydrocarbons , 5 % or over but less than 15 % aromatic hydrocarbons .
- **Other** : Use as per instructions and specifically for this purpose.

#### 2.3. Other hazards

None under normal conditions.

### SECTION 3 Composition / information on ingredients

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
Butane	> 50 %	106-97-8	203-448-7	601-004-00-0	01-2119474691-32	F+; R12 Flam. Gas 1 (H220)
Acetone	15 - 50 %	67-64-1	200-662-2	606-001-00-8	01-2119471330-49-XXXX	F; R11 R66 R67 Xi; R36 Flam. Liq. 2 (H225) Eye irrit 2 (H319) STOT SE 3 (H336) (EUH066)
Xylene	10 - 30 %	1330-20-7	215-535-7	601-022-00-9	01-2119488216-32	R10 Xn; R20/21 Xi; R38 Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315)
4-hydroxy-4-methylpentan-2-one	5 - 20 %	123-42-2	204-626-7	603-016-00-1	----	Xi; R36 Eye irrit 2 (H319)
Ethylbenzene	< 15 %	100-41-4	202-849-4	601-023-00-4	----	F; R11 Xn; R20-65-48/20 Xi; R36/37/38

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### SECTION 3 Composition / information on ingredients (continued)

Flam. Liq. 2 (H225)  
Asp. Tox 1 (H304)  
Acute Tox. 4 (H332)  
Eye irrit 2 (H319)  
Skin Irrit. 2 (H315)  
STOT SE 3 (H335)  
STOT RE 2 (H373)

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

##### First aid measures

- Inhalation : Assure fresh air breathing. If not breathing, give artificial respiration.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : Not expected to be a primary route of exposure.

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

- Inhalation : Not expected to be an irritant.
- Skin contact : Causes skin irritation.  
Repeated exposure may cause skin dryness or cracking.
- Eye contact : Causes serious eye irritation.
- Ingestion : Ingestion unlikely.

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

Treat symptomatically.

### SECTION 5. Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Powder. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

#### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

### SECTION 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General precautions : Remove ignition sources.
- Personal precautions : Keep public away from danger area. Equip cleanup crew with proper protection.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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### SECTION 6. Accidental release measures (continued)

#### 6.3. Methods and material for containment and cleaning up

##### Clean up methods

- on soil : Clean up any spills as soon as possible, using an absorbent material to collect it.
- on water : Take up large spills with pump or vacuum.

#### 6.4. Reference to other sections

No data available.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

- General** : When using, do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off immediately all contaminated clothing.
- Handling** : No smoking. Do not breathe gas, fumes, vapour or spray. Wear suitable protective clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Store in dry, cool, well-ventilated area. Keep in original containers.
- Storage life** : 3 years.

#### 7.3. Specific end use(s)

No data available.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

- Occupational Exposure Limits** :
- Butane : TLV<sup>©</sup> -TWA [ppm] : (MAK) 1000
  - Butane : TLV<sup>©</sup> -TWA [ppm] : (ACGIH) 1000
  - Butane : VME [ppm] : (France) 800
  - Butane : VME [mg/m<sup>3</sup>] : (France) 1900
  - Butane : VME [mg/m<sup>3</sup>] : (Allemagne) 4(II) DFG 2400
  - Butane : VME [mL/m<sup>3</sup>] : (Allemagne) 4(II) DFG 1000
  - Acetone : TLV<sup>©</sup> -TWA [mg/m<sup>3</sup>] : 1780
  - Acetone : TLV<sup>©</sup> -TWA [ppm] : 750
  - Acetone : TLV<sup>©</sup> -STEL [mg/m<sup>3</sup>] : 2380
  - Acetone : TLV<sup>©</sup> -STEL [ppm] : 1000
  - Acetone : TLV<sup>©</sup> : [mg/m<sup>3</sup>] 1210
  - Acetone : VME [ppm] : 300
  - Acetone : VME [mg/m<sup>3</sup>] : 1210
  - Xylene : TLV<sup>©</sup> -TWA [mg/m<sup>3</sup>] : 435
  - Xylene : TLV<sup>©</sup> -TWA [ppm] : 100
  - Xylene : TLV<sup>©</sup> -STEL [ppm] : 150
  - Xylene : VME [ppm] : 50
  - Xylene : VME [mg/m<sup>3</sup>] : 221
  - Xylene : VLE [ppm] : 100
  - Xylene : VLE [mg/m<sup>3</sup>] : 442
  - Ethylbenzene : TLV<sup>©</sup> -TWA [mg/m<sup>3</sup>] : 434
  - Ethylbenzene : TLV<sup>©</sup> -TWA [ppm] : 100
  - Ethylbenzene : TLV<sup>©</sup> -STEL [mg/m<sup>3</sup>] : 543

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## SECTION 8. Exposure controls/personal protection (continued)

Ethylbenzene : TLV<sup>©</sup> -STEL [ppm] : 125  
 Ethylbenzene : Rat dermal LD50 [mg/kg] : 1001  
 Ethylbenzene : Rat inhalation CL50 [mg/m<sup>3</sup>] : 1

### 8.2. Exposure controls

#### Personal protection

- Eye protection : Chemical goggles or safety glasses. (EN166).
- Skin protection : Wear suitable protective clothing.
- Hand protection : Wear suitable gloves resistant to chemical penetration. (EN374)
- Respiratory protection : Where excessive vapour may result, wear approved mask.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state at 20 °C : Liquid.
- Colour : Colourless.
- Odour : Hydrocarbon.
- Odour threshold : No data available.
- pH : Not applicable.
- Melting point / Freezing point : No data available.
- Initial boiling point - boiling range [ °C] : No data available.
- Final boiling point [°C] : No data available.
- Flash point [°C] : < 0
- Evaporation rate : No data available.
- Flammability : No data available.
- Explosion limits (lower - upper) : No data available.  
No data available.
- Vapour pressure : No data available.
- Vapour density : No data available.
- Relative density : 0.83 - 0.84
- Solubility : Material insoluble in water.
- Partition coefficient : n-octanol / water : No data available.
- Auto-ignition temperature : No data available.
- Thermal decomposition : No data available.
- Viscosity : No data available.
- Explosive Properties : No data available.
- Oxidising properties : No data available.

### 9.2. Other information

- Other data : No data available.


## SECTION 10. Stability and reactivity

### 10.1. Reactivity

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#### SECTION 10. Stability and reactivity (continued)

Stable.

##### **10.2. Chemical stability**

Stable.

##### **10.3. Possibility of hazardous reactions**

None under normal conditions.

##### **10.4. Conditions to avoid**

**Conditions to avoid** : Open flame. Sparks. Heat.

##### **10.5. Incompatible materials**

**Materials to avoid** : Strong oxidizers.

##### **10.6. Hazardous decomposition products**

**Hazardous decomposition products** : Hydrocarbon. Carbon monoxide. Carbon dioxide.

#### SECTION 11. Toxicological information

##### **11.1. Information on toxicological effects**

SECTION 1

Refer to Summary of hazards

- **Inhalation** : • Xylene : Rat inhalation LC50 [mg/l/4h] : 29.6  
• Ethylbenzene : Rat inhalation CL50 [mg/m3] : 1
- **Dermal** : • Xylene : Rabbit dermal LD50 [mg/kg] : > 2000  
• Ethylbenzene : Rat dermal LD50 [mg/kg] : 1001
- **Ingestion** : • Xylene : Rat oral LD50 [mg/kg] : 4300

#### SECTION 12. Ecological information

##### **12.1. Toxicity**

No data available.

##### **12.2. Persistence - degradability**

No data available.

##### **12.3. Bioaccumulative potential**

No data available.

##### **12.4. Mobility in soil**

No data available.

##### **12.5. Results of PBT and vPvB assessment**

No data available.

##### **12.6. Other adverse effects**

No data available.

#### SECTION 13. Disposal considerations

##### **13.1. Waste treatment methods**

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### SECTION 13. Disposal considerations (continued)

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### SECTION 14. Transport information

#### 14.1. UN Number

UN No. : 1950

#### 14.2. Proper shipping name

UN1950 AEROSOLS, flammable (Butane), 2.1, 5F, (D)

#### 14.3. Transport Hazard Classification

#### 19 - Labelling ADR



ADR/RID : 2.1 : flammable gas.  
 : Class : 2  
 : Group : F

H.I. nr : --

- Proper shipping name : UN1950 AEROSOLS, flammable (Butane), 2.1, 5F, (D)

Land transport

- ADR Class : 2  
 - ADR Packing group : F

Emergency action in case of accident : No naked lights. No smoking.  
 Keep public away from danger area.  
 NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

Sea transport

- IMO-IMDG code : 2.1  
 IMO Packing group : -  
 - IMDG-Marine pollution : No  
 - EMS-Nr : F-D S-U

Air transport

- ICAO/IATA : Packaging instructions cargo : 203  
 Packaging instructions passenger: 203

- Proper shipping name : AEROSOLS, flammable  
 - IATA - Class or division : 2


#### 14.4. Packing group

F

#### 14.5. Environmental hazards

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

#### 14.6. Special precautions for user

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#### SECTION 14. Transport information (continued)

**Personal precautions** : The driver shall not attempt to deal with any fire of the load.  
**Emergency action in case of accident** : Mark roads and warns other road users.  
 Stop the engine. Keep public away from danger area. No naked lights. No smoking. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

#### Further information

#### 14.7. Bulk transport - annex II Marpol 73/78 - IBC

No data available.

#### SECTION 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed.

: Table RG 4BIS: Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them. (FRANCE)

#### 15.2. Chemical Safety Assessment

No data available.

#### SECTION 16. Other information

**Text of H-Phrases :** : EUH066 - Repeated exposure may cause skin dryness or cracking.  
 H220 - Extremely flammable gas.  
 H225 - Highly flammable liquid and vapour.  
 H226 - Flammable liquid and vapour.  
 H304 - May be fatal if swallowed and enters airways.  
 H312 - Harmful in contact with skin.  
 H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H332 - Harmful if inhaled.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H373 - May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

**Text of R-Phrases :** : R10 : Flammable.  
 R11 : Highly flammable.  
 R12 : Extremely flammable.  
 R20 : Harmful by inhalation.  
 R20/21 : Harmful by inhalation and in contact with skin.  
 R36 : Irritating to eyes.  
 R36/37/38 : Irritating to eyes, respiratory system and skin.  
 R38 : Irritating to skin.  
 R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.  
 R65 : Harmful : may cause lung damage if swallowed.  
 R66 : Repeated exposure may cause skin dryness or cracking.  
 R67 : Vapours may cause drowsiness and dizziness.

**Recommended uses and restrictions** : See product bulletin for detailed information.


**Further information** : Revision - See : \*  
 Label : 736 432 R2  
 Safety data sheet available for professional user on request.

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**SECTION 16. Other information (continued)**

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