

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

#### 1.1. Product identifier

Code: A470  
Product name: CARBURETOR CLEANER 400 ml AMBRO-SOL  
Chemical name and synonym: Cleaner  
UFI: SQ10-20ES-3007-WVAT

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

Intended use: Aerosol cleaner for use inside and outside the carburetor

| Identified Uses  | Industrial | Professional | Consumer |
|------------------|------------|--------------|----------|
| Consumer         | -          | -            | ✓        |
| Industrial Use   | ✓          | -            | -        |
| Professional Use | -          | ✓            | -        |

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

Name: AMBRO-SOL SRL SOCIETÀ BENEFIT  
Full address: Via per Pavone del Mella n.21  
District and Country: 25020 Cigole (BS)  
Italia  
Tel. +39 030 9959674  
Fax +39 030 959265

e-mail address of the competent person  
responsible for the Safety Data Sheet

regulatory@ambro-sol.com

#### 1.4. Emergency telephone number

For urgent inquiries refer to

IT - Centro Antiveleni di Milano - Ospedale Niguarda: Tel. 02 66101029 (Italy)  
AT - Vergiftungsinformationszentrale (VIZ): Tel. +43 01 406 4343 (Austria)  
BE - Belgisch Antigifcentrum: Tel. 070 245245 (Belgium)  
BG - НАЦИОНАЛЕН ЦЕНТЪР ПО ТОКСИКОЛОГИЯ: Tel. +359 2 9154 233 (Bulgaria)  
HR - Centar za kontrolu otrovanja: Tel. +385 1 2348342 (Croatia)  
CY - Τμήμα Επιθεώρησης Εργασίας (TEE): Tel. 1401 (Cyprus)  
CZ - Toxikologické informační středisko (TIS): Tel. +420 224 919 293 / +420 224 915 402 (Czech Republic)  
DK - Giftlinjen: Ring 82 12 12 12 (Denmark)  
EE - Mürgistusteabekeskus: Tel. 16662 (Estonia)  
FI - Myrkytystietokeskus: Tel. 0800 147 111 / 09 471 977 (Finland)  
FR - ORFILA (INRS): Tél. +33 (0) 1 45 42 59 59 (France)  
DE - Giftnotruf der Charité Universitätsmedizin Berlin: Tel. +49 030 19240 (Germany)  
GR - Κέντρο Δηλητηριάσεων: Τηλ. 210 7793777 (Greece)  
HU - Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ): Tel. +36 80 20 1199 (Hungary)  
IS - Eitrunarmiðstöð: Tel. 543 2222 (Iceland)  
IE - National Poisons Information Centre (NPIC): Tel. 01 8092566 / 01 8379964 (Republic of Ireland)  
LV - Latvian Poisons Information Centre: Tel. +371 67042473 (Latvia)  
LT - Apsinuodijimų Informacijos biuras: Tel. 8-5 236 2052 (Lithuania)  
LU - Giftinformationszentrum: Tel. +352 8002 5500 (Luxembourg)  
NL - Nationaal Vergiftigingen Informatie Centrum (NVIC): Tel. 030 274 88 88

(Netherlands)

NO - Giftinformasjonen: Tel. 22 9 13 00 (Norway)

PL - Pomorskie Centrum Toksykologii: Tel. +58 682 04 04 (Poland)

PT - Centro de Informação Antivenenos (CIAV): Tel. 800 250 250 (Portugal)

RO - Biroul RSI Si Informare Toxicologica: Tel. 021 318 36 06 (Romania)

SK - Národné Toxikologické informačné centrum (NTIC): Tel. 02 5477 4166 (Slovakia)

SI - Center za klinično toksikologijo in farmakologijo: Tel. 112 (Slovenia)

ES - Servicio de Información Toxicológica (SIT) España: Tel.+34 91 562 04 20 (Spain)

SE - Giftinformationscentralen: Tel. 112 (Sweden)

CH - Schweizerisches Toxikologisches Informationszentrum (STIZ): Tel. +41 145 (Switzerland)

GB - National Poisons Information Service (NPIS) Tel. 0344 892 0111 (United Kingdom)

Members of the Public: NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales)

## SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

|  |              |   |
|--|--------------|---|
| Aerosol, category 1  | H222<br>H229 | Extremely flammable aerosol.<br>Pressurised container: may burst if heated. |
| Eye irritation, category 2                                   | H319         | Causes serious eye irritation.  |
| Specific target organ toxicity - single exposure, category 3 | H336         | May cause drowsiness or dizziness.  |

### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

|        |   |
|--------|---|
| H222   | Extremely flammable aerosol.                          |
| H229   | Pressurised container: may burst if heated.           |
| H319   | Causes serious eye irritation.                        |
| H336   | May cause drowsiness or dizziness.                    |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Precautionary statements:

|           |  |
|-----------|--|
| P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P251      | Do not pierce or burn, even after use.   |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.                   |
| P501      | Dispose of contents/container in accordance with local regulations.                            |

P102  
P211  
P271

Keep out of reach of children.  
Do not spray on an open flame or other ignition source.  
Use only outdoors or in a well-ventilated area.

Contains:

Acetone  
N-butyl acetate  
Isopropyl Alcohol  
Ethyl acetate

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

| Identification                   | x = Conc. % | Classification (EC) 1272/2008 (CLP)  |
|----------------------------------|-------------|--|
| <b>N-butyl acetate</b>           |             |  |
| INDEX 607-025-00-1               | 35 ≤ x < 39 | Flam. Liq. 3 H226, STOT SE 3 H336, EUH066  |
| EC 204-658-1                     |             |  |
| CAS 123-86-4                     |             |  |
| REACH Reg. 01-2119485493-29-XXXX |             |  |
| <b>Acetone</b>                   |             |  |
| INDEX 606-001-00-8               | 20 ≤ x < 23 | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066   |
| EC 200-662-2                     |             |  |
| CAS 67-64-1                      |             |  |
| REACH Reg. 01-2119471330-49-XXXX |             |  |
| <b>Propane</b>                   |             |  |
| INDEX 601-003-00-5               | 15 ≤ x < 19 | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: U    |
| EC 200-827-9                     |             |  |
| CAS 74-98-6                      |             |  |
| REACH Reg. 01-2119486944-21-0046 |             |  |
| <b>Isopropyl Alcohol</b>         |             |  |
| INDEX 603-117-00-0               | 11 ≤ x < 15 | Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336   |
| EC 200-661-7                     |             |  |
| CAS 67-63-0                      |             |  |
| REACH Reg. 01-2119457558-25-XXXX |             |  |
| <b>Butane</b>                    |             |  |
| INDEX 601-004-00-0               | 7 ≤ x < 9   | Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note according to Annex VI to the CLP Regulation: C, U |
| EC 203-448-7                     |             |  |

## A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL

CAS 106-97-8

REACH Reg. 01-2119474691-32-XXXX

**Carbon dioxide**INDEX -  $3 \leq x < 5$  Press. Gas (Comp.) H280

EC 204-696-9

CAS 124-38-9

**Ethyl acetate**INDEX 607-022-00-5  $1 \leq x < 3$  Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

EC 205-500-4

CAS 141-78-6

REACH Reg. 01-2119475103-46-XXXX

**Isobutane**INDEX 601-004-00-0  $1 \leq x < 3$  Flam. Gas 1A H220, Press. Gas H280

EC 200-857-2

CAS 75-28-5

REACH Reg. 01-2119485395-27-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 27,27 %

**SECTION 4. First aid measures****4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

**SECTION 5. Firefighting measures****5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

None in particular.

**5.2. Special hazards arising from the substance or mixture****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

**5.3. Advice for firefighters****GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

**SECTION 6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

**6.2. Environmental precautions**

Do not disperse in the environment.

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

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

**6.4. Reference to other sections**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage****7.1. Precautions for safe handling**

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

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

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

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

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

|     |                 |   |
|-----|-----------------|---|
| CZE | Česká Republika | Nariadení vlády č. 41/2020 Sb. Nariadení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů  |
| DEU | Deutschland     | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56   |
| ESP | España          | Límites de exposición profesional para agentes químicos en España 2021  |
| FRA | France          | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS  |
| GRC | Ελλάδα          | Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ ``σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιγόνους παράγοντες κατά την εργασία``» |
| HUN | Magyarország    | Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről   |
| ITA | Italia          | Decreto Legislativo 9 Aprile 2008, n.81   |
| PRT | Portugal        | Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos   |
| POL | Polska          | Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy   |
| SVK | Slovensko       | NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov  |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits (Fourth Edition 2020)   |
| EU  | OEL EU          | Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.  |
|     | TLV-ACGIH       | ACGIH 2022  |

| N-butyl acetate                          |         |        |        |            |         |
|--|---------|--------|--------|------------|---------|
| Threshold Limit Value                    |         |        |        |            |         |
| Type                                     | Country | TWA/8h |        | STEL/15min |         |
|  |         | mg/m3  | ppm    | mg/m3      | ppm     |
| TLV                                      | CZE     | 950    | 196,65 | 1200       | 248,4   |
| AGW                                      | DEU     | 300    | 62     | 600 (C)    | 124 (C) |
| VLA                                      | ESP     | 241    | 50     | 724        | 150     |
| VLEP                                     | FRA     | 710    | 150    | 940        | 200     |
| TLV                                      | GRC     | 710    | 150    | 950        | 200     |
| AK                                       | HUN     | 241    |        | 723        |         |
| VLEP                                     | ITA     | 241    | 50     | 723        | 150     |
| VLE                                      | PRT     | 241    | 50     | 723        | 150     |
| NDS/NDSch                                | POL     | 240    |        | 720        |         |
| NPEL                                     | SVK     | 241    | 50     | 723        | 150     |
| WEL                                      | GBR     | 724    | 150    | 966        | 200     |
| OEL                                      | EU      | 241    | 50     | 723        | 150     |
| TLV-ACGIH                                |         |        | 50     |            | 150     |
| Predicted no-effect concentration - PNEC |         |        |        |            |         |
| Normal value in fresh water              |         |        |        | 180        | µg/l    |

|   |             |                |                    |                  |                        |   |               |                  |
|---|-------------|----------------|--------------------|------------------|------------------------|---|---------------|------------------|
| AMBRO-SOL SRL SOCIETÀ BENEFIT                         |             |                |                    |                  |                        | Revision nr. 10                         |               |                  |
| A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL            |             |                |                    |                  |                        | Dated 23/02/2023                        |               |                  |
|   |             |                |                    |                  |                        | Printed on 05/04/2023                   |               |                  |
|   |             |                |                    |                  |                        | Page n. 7/22                            |               |                  |
|   |             |                |                    |                  |                        | Replaced revision:9 (Dated: 30/08/2021) |               |                  |
|   |             |                |                    |                  |                        |   |               |                  |
| Normal value in marine water                          |             |                | 18                 |                  | µg/l                   |   |               |                  |
| Normal value for fresh water sediment                 |             |                | 981                |                  | µg/kg/d                |   |               |                  |
| Normal value for marine water sediment                |             |                | 98,1               |                  | µg/kg/d                |   |               |                  |
| Normal value of STP microorganisms                    |             |                | 35,6               |                  | mg/l                   |   |               |                  |
| Normal value for the terrestrial compartment          |             |                | 90,3               |                  | µg/kg/d                |   |               |                  |
| Health - Derived no-effect level - DNEL / DMEL        |             |                |                    |                  |                        |   |               |                  |
| Effects on consumers                                  |             |                | Effects on workers |                  |                        |   |               |                  |
| Route of exposure                                     | Acute local | Acute systemic | Chronic local      | Chronic systemic | Acute local            | Acute systemic                          | Chronic local | Chronic systemic |
| Oral  |             | 2 mg/kg bw/d   |                    | 2 mg/kg bw/d     |                        | 2                                       |               | 2                |
| Inhalation  | 300 mg/m3   | 300 mg/m3      | 35,7 mg/m3         | 12 mg/m3         | 600 mg/m3              | 600 mg/m3                               | 300 mg/m3     | 48 mg/m3         |
| Skin  | NPI         | 6 mg/kg bw/d   | NPI                | 3,4 mg/kg bw/d   | NPI                    | 11 mg/kg bw/d                           | NPI           | 7 mg/kg bw/d     |
|   |             |                |                    |                  |                        |   |               |                  |
| Acetone   |             |                |                    |                  |                        |   |               |                  |
| Threshold Limit Value                                 |             |                |                    |                  |                        |   |               |                  |
| Type  | Country     | TWA/8h         |                    | STEL/15min       | Remarks / Observations |   |               |                  |
|   |             | mg/m3          | ppm                | mg/m3            | ppm                    |   |               |                  |
| TLV   | CZE         | 800            | 331,2              | 1500             | 621                    |   |               |                  |
| AGW   | DEU         | 1200           | 500                | 2400 (C)         | 1000 (C)               |   |               |                  |
| MAK   | DEU         | 1200           | 500                | 2400             | 1000                   |   |               |                  |
| VLA   | ESP         | 1210           | 500                |                  |                        |   |               |                  |
| VLEP  | FRA         | 1210           | 500                | 2420             | 1000                   |   |               |                  |
| TLV   | GRC         | 1780           |                    | 3560             |                        |   |               |                  |
| AK  | HUN         | 1210           |                    |                  |                        |   |               |                  |
| VLEP  | ITA         | 1210           | 500                |                  |                        |   |               |                  |
| VLE   | PRT         | 1210           | 500                |                  |                        |   |               |                  |
| NDS/NDSch   | POL         | 600            |                    | 1800             |                        |   |               |                  |
| NPEL  | SVK         | 1210           | 500                |                  |                        |   |               |                  |
| WEL   | GBR         | 1210           | 500                | 3620             | 1500                   |   |               |                  |
| OEL   | EU          | 1210           | 500                |                  |                        |   |               |                  |
| TLV-ACGIH   |             |                | 250                |                  | 500                    |   |               |                  |
| Predicted no-effect concentration - PNEC              |             |                |                    |                  |                        |   |               |                  |
| Normal value in fresh water                           |             |                | 10,6               |                  | mg/l                   |   |               |                  |
| Normal value in marine water                          |             |                | 1,06               |                  | mg/l                   |   |               |                  |
| Normal value for fresh water sediment                 |             |                | 30,4               |                  | mg/kg                  |   |               |                  |
| Normal value for marine water sediment                |             |                | 3,04               |                  | mg/kg                  |   |               |                  |
| Normal value for water, intermittent release          |             |                | 21                 |                  | mg/l                   |   |               |                  |
| Normal value of STP microorganisms                    |             |                | 100                |                  | mg/l                   |   |               |                  |
| Normal value for the food chain (secondary poisoning) |             |                | 29,5               |                  | mg/kg                  |   |               |                  |
| Normal value for the terrestrial compartment          |             |                | 29,5               |                  | mg/kg/d                |   |               |                  |
| Normal value for the atmosphere                       |             |                | NPI                |                  |                        |   |               |                  |
| Health - Derived no-effect level - DNEL / DMEL        |             |                |                    |                  |                        |   |               |                  |
| Effects on consumers                                  |             |                | Effects on workers |                  |                        |   |               |                  |
| Route of exposure                                     | Acute local | Acute systemic | Chronic local      | Chronic systemic | Acute local            | Acute systemic                          | Chronic local | Chronic systemic |
|   |             |                |                    |                  |                        |   |               |                  |

|   |                      |                |               |                    |             |   |               |                  |
|---|----------------------|----------------|---------------|--------------------|-------------|---|---------------|------------------|
| AMBRO-SOL SRL SOCIETÀ BENEFIT                         |                      |                |               |                    |             | Revision nr. 10                         |               |                  |
| A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL            |                      |                |               |                    |             | Dated 23/02/2023                        |               |                  |
|   |                      |                |               |                    |             | Printed on 05/04/2023                   |               |                  |
|   |                      |                |               |                    |             | Page n. 8/22                            |               |                  |
|   |                      |                |               |                    |             | Replaced revision:9 (Dated: 30/08/2021) |               |                  |
|   |                      |                |               |                    |             |   |               |                  |
| Oral  |                      | VND            |               | 62 mg/kg           |             |   |               |                  |
| Inhalation  |                      | VND            |               | 200 mg/m3          | VND         | 2,420 mg/m3                             | VND           | 1,210 mg/m3      |
| Skin  |                      | VND            |               | 62 mg/kg           |             |   | VND           | 186 mg/kg        |
| Propane   |                      |                |               |                    |             |   |               |                  |
| Threshold Limit Value                                 |                      |                |               |                    |             |   |               |                  |
| Type  | Country              | TWA/8h         |               | STEL/15min         |             | Remarks / Observations                  |               |                  |
|   |                      | mg/m3          | ppm           | mg/m3              | ppm         |   |               |                  |
| AGW   | DEU                  | 1800           | 1000          | 7200               | 4000        |   |               |                  |
| MAK   | DEU                  | 1800           | 1000          | 7200               | 4000        |   |               |                  |
| VLA   | ESP                  | 1000           |               |                    |             |   |               |                  |
| TLV   | GRC                  | 1800           | 1000          |                    |             |   |               |                  |
| NDS/NDSCh   | POL                  | 1800           |               |                    |             |   |               |                  |
| Isopropyl Alcohol                                     |                      |                |               |                    |             |   |               |                  |
| Threshold Limit Value                                 |                      |                |               |                    |             |   |               |                  |
| Type  | Country              | TWA/8h         |               | STEL/15min         |             | Remarks / Observations                  |               |                  |
|   |                      | mg/m3          | ppm           | mg/m3              | ppm         |   |               |                  |
| TLV   | CZE                  | 500            | 200           | 1000               | 400         |   |               |                  |
| AGW   | DEU                  | 500            | 200           | 1000               | 400         |   |               |                  |
| MAK   | DEU                  | 500            | 200           | 1000               | 400         |   |               |                  |
| VLA   | ESP                  | 500            | 200           | 1000               | 400         |   |               |                  |
| VLEP  | FRA                  |                |               | 980                | 400         |   |               |                  |
| TLV   | GRC                  | 500            | 200           | 1000               | 400         |   |               |                  |
| AK  | HUN                  | 500            | 1000          |                    | SKIN        |   |               |                  |
| NDS/NDSCh   | POL                  | 900            | 1200          |                    | SKIN        |   |               |                  |
| NPEL  | SVK                  | 500            | 200           | 1000               | 400         |   |               |                  |
| WEL   | GBR                  | 999            | 400           | 1250               | 500         |   |               |                  |
| TLV-ACGIH   |                      | 492            | 200           | 983                | 400         |   |               |                  |
| Predicted no-effect concentration - PNEC              |                      |                |               |                    |             |   |               |                  |
| Normal value in fresh water                           |                      |                |               | 140,9              | mg/l        |   |               |                  |
| Normal value in marine water                          |                      |                |               | 140,9              | mg/l        |   |               |                  |
| Normal value for fresh water sediment                 |                      |                |               | 552                | mg/kg/d     |   |               |                  |
| Normal value for marine water sediment                |                      |                |               | 552                | mg/kg/d     |   |               |                  |
| Normal value for water, intermittent release          |                      |                |               | 140,9              | mg/l        |   |               |                  |
| Normal value of STP microorganisms                    |                      |                |               | 2,251              | g/l         |   |               |                  |
| Normal value for the food chain (secondary poisoning) |                      |                |               | 160                | mg/kg       |   |               |                  |
| Normal value for the terrestrial compartment          |                      |                |               | 28                 | mg/kg/d     |   |               |                  |
| Health - Derived no-effect level - DNEL / DMEL        |                      |                |               |                    |             |   |               |                  |
|   | Effects on consumers |                |               | Effects on workers |             |   |               |                  |
| Route of exposure                                     | Acute local          | Acute systemic | Chronic local | Chronic systemic   | Acute local | Acute systemic                          | Chronic local | Chronic systemic |
| Oral  | VND                  | VND            | VND           | 26 mg/kg bw/d      | VND         | VND                                     | VND           | VND              |
| Inhalation  | VND                  | VND            | VND           | 89 mg/m3           | VND         | VND                                     | VND           | 500 mg/m3        |
| Skin  | VND                  | VND            | VND           | 319 mg/kg bw/d     | VND         | VND                                     | VND           | 888 mg/kg        |



|  |         |        |       |   |       |
|--|---------|--------|-------|---|-------|
| AMBRO-SOL SRL SOCIETA BENEFIT              |         |        |       | Revision nr. 10                         |       |
| A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL |         |        |       | Dated 23/02/2023                        |       |
|  |         |        |       | Printed on 05/04/2023                   |       |
|  |         |        |       | Page n. 9/22                            |       |
|  |         |        |       | Replaced revision:9 (Dated: 30/08/2021) |       |
|  |         |        |       |   |       |
| Butane                                     |         |        |       |   |       |
| Threshold Limit Value                      |         |        |       |   |       |
| Type                                       | Country | TWA/8h |       | STEL/15min                              |       |
|  |         | mg/m3  | ppm   | mg/m3                                   | ppm   |
| AGW  | DEU     | 2400   | 1000  | 9600                                    | 4000  |
| MAK  | DEU     | 2400   | 1000  | 9600                                    | 4000  |
| VLA  | ESP     |        | 1000  |   | Gases |
| VLEP                                       | FRA     | 1900   | 800   |   |       |
| TLV  | GRC     | 2350   | 1000  |   |       |
| AK   | HUN     | 2350   |       | 9400                                    |       |
| NDS/NDSch                                  | POL     | 1900   |       | 3000                                    |       |
| WEL  | GBR     | 1450   | 600   | 1810                                    | 750   |
| WEL  | GBR     |        | 4     |   | RESP  |
| TLV-ACGIH                                  |         |        |       |   | 1000  |
|  |         |        |       |   |       |
| Carbon dioxide                             |         |        |       |   |       |
| Threshold Limit Value                      |         |        |       |   |       |
| Type                                       | Country | TWA/8h |       | STEL/15min                              |       |
|  |         | mg/m3  | ppm   | mg/m3                                   | ppm   |
| TLV  | CZE     | 9000   | 4923  | 45000                                   | 24615 |
| AGW  | DEU     | 9100   | 5000  | 18200                                   | 10000 |
| MAK  | DEU     | 9100   | 5000  | 18200                                   | 10000 |
| VLA  | ESP     | 9150   | 5000  |   |       |
| VLEP                                       | FRA     | 9000   | 5000  |   |       |
| TLV  | GRC     | 9000   | 5000  | 54000                                   | 5000  |
| AK   | HUN     | 9000   |       |   |       |
| VLEP                                       | ITA     | 9000   | 5000  |   |       |
| VLE  | PRT     | 9000   | 5000  |   |       |
| NDS/NDSch                                  | POL     | 9000   |       | 27000                                   |       |
| NPEL                                       | SVK     | 9000   | 5000  |   |       |
| WEL  | GBR     | 9150   | 5000  | 27400                                   | 15000 |
| OEL  | EU      | 9000   | 5000  |   |       |
| TLV-ACGIH                                  |         | 9000   | 5000  | 54000                                   | 30000 |
|  |         |        |       |   |       |
| Ethyl acetate                              |         |        |       |   |       |
| Threshold Limit Value                      |         |        |       |   |       |
| Type                                       | Country | TWA/8h |       | STEL/15min                              |       |
|  |         | mg/m3  | ppm   | mg/m3                                   | ppm   |
| TLV  | CZE     | 700    | 191,1 | 900                                     | 245,7 |
| AGW  | DEU     | 730    | 200   | 1460                                    | 400   |
| MAK  | DEU     | 750    | 200   | 1500                                    | 400   |
| VLA  | ESP     | 734    | 200   | 1468                                    | 400   |
| VLEP                                       | FRA     | 734    | 200   | 1468                                    | 400   |
|  |         |        |       |   |       |



## A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL

## HAND PROTECTION

None required.

## SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

## EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

## RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

## ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**SECTION 9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| Properties                             | Value                     | Information |
|--|---------------------------|-------------|
| Appearance                             | aerosol                   |             |
| Colour                                 | colourless                |             |
| Odour                                  | characteristic of solvent |             |
| Melting point / freezing point         | not available             |             |
| Initial boiling point                  | not available             |             |
| Flammability                           | flammable gas             |             |
| Lower explosive limit                  | not available             |             |
| Upper explosive limit                  | not available             |             |
| Flash point                            | < 0 °C                    |             |
| Auto-ignition temperature              | not available             |             |
| Decomposition temperature              | not available             |             |
| pH                                     | 5-7                       |             |
| Kinematic viscosity                    | not available             |             |
| Solubility                             | insoluble in water        |             |
| Partition coefficient: n-octanol/water | not available             |             |
| Vapour pressure                        | not available             |             |
| Density and/or relative density        | 0.78 ÷ 0.82 g/ml a 20°C   |             |
| Relative vapour density                | not available             |             |
| Particle characteristics               | not applicable            |             |

**9.2. Other information**

## 9.2.1. Information with regard to physical hazard classes

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

Information not available

#### 9.2.2. Other safety characteristics

|                            |                          |
|----------------------------|--------------------------|
| VOC (Directive 2010/75/EU) | 96,97 % - 775,76 g/litre |
| VOC (volatile carbon)      | 64,61 % - 516,87 g/litre |
| Explosive properties       | not applicable           |
| Oxidising properties       | not applicable           |

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

N-butyl acetate

Decomposes on contact with: water.

Ethyl acetate

It slowly decomposes into acetic acid and ethanol due to the action of light, air and water.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

N-butyl acetate

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

Acetone

Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxy monosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

Ethyl acetate

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

### 10.4. Conditions to avoid

Avoid overheating.

N-butyl acetate

Avoid exposure to: moisture, sources of heat, naked flames.

Acetone

Avoid exposure to: sources of heat, naked flames.

Ethyl acetate

Avoid exposure to: light, sources of heat, naked flames.

#### 10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

N-butyl acetate

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

Acetone

Incompatible with: acids, oxidising substances.

Ethyl acetate

Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible materials: plastic materials.

#### 10.6. Hazardous decomposition products

Acetone

May develop: ketenes, irritant substances.

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

N-butyl acetate

WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

N-butyl acetate

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

N-butyl acetate

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

|                                  |   |
|----------------------------------|---|
| ATE (Inhalation) of the mixture: | Not classified (no significant component) |
| ATE (Oral) of the mixture:       | Not classified (no significant component) |
| ATE (Dermal) of the mixture:     | Not classified (no significant component) |

N-butyl acetate

|                            |                     |
|----------------------------|---------------------|
| LD50 (Dermal):             | > 5000 mg/kg rabbit |
| LD50 (Oral):               | > 10000 mg/kg Rat   |
| LC50 (Inhalation vapours): | 0,74 mg/l/4h Rat    |

Acetone

|                            |                          |
|----------------------------|--------------------------|
| LD50 (Dermal):             | 7426 mg/kg bw guinea pig |
| LD50 (Oral):               | 5800 mg/kg bw            |
| LC50 (Inhalation vapours): | > 20 mg/l/4h air         |

Propane

|                                  |                   |
|----------------------------------|-------------------|
| LC50 (Inhalation mists/powders): | 800000 ppm 15 min |
|----------------------------------|-------------------|

Isopropyl Alcohol

|                            |                    |
|----------------------------|--------------------|
| LD50 (Dermal):             | 16,4 ml/kg rabbit  |
| LD50 (Oral):               | 5840 mg/kg bw Rat  |
| LC50 (Inhalation vapours): | > 10000 ppm/6h Rat |

Butane

|                                  |                           |
|----------------------------------|---------------------------|
| LC50 (Inhalation mists/powders): | > 1442,738 mg/l/15min rat |
|----------------------------------|---------------------------|

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

Ethyl acetate

|                                  |                       |
|----------------------------------|-----------------------|
| LD50 (Dermal):                   | 20000 mg/kg bw rabbit |
| LD50 (Oral):                     | 11,3 mg/kg bw rat     |
| LC50 (Inhalation mists/powders): | > 22,5 mg/l/6h rat    |

Isobutane

|                                  |                           |
|----------------------------------|---------------------------|
| LC50 (Inhalation mists/powders): | > 1442,738 mg/l/15min rat |
|----------------------------------|---------------------------|

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

**12.1. Toxicity**

Butane  
LC50 - for Fish > 24,11 mg/l/96h

Propane  
LC50 - for Fish 85,82 mg/l/96h  
EC50 - for Crustacea 41,82 mg/l/48h

Isopropyl Alcohol  
LC50 - for Fish 9,6 g/l/96h

Acetone  
LC50 - for Fish 6,83 g/l  
EC50 - for Crustacea 8,8 g/l/48h  
Chronic NOEC for Crustacea 1,659 g/l 28 days

Ethyl acetate  
LC50 - for Fish 230 mg/l/96h  
EC50 - for Algae / Aquatic Plants 100 mg/l/72h  
Chronic NOEC for Fish 9,65 mg/l 32 days  
Chronic NOEC for Crustacea 2,4 mg/l 21 days

N-butyl acetate



|   |  |   |
|---|--|---|
| AMBRO-SOL SRL SOCIETÀ BENEFIT   |  | Revision nr. 10                         |
| A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL  |  | Dated 23/02/2023                        |
|   |  | Printed on 05/04/2023                   |
|   |  | Page n. 17/22                           |
|   |  | Replaced revision:9 (Dated: 30/08/2021) |
| <div> <div>LC50 - for Fish</div> <div>18 mg/l/96h</div> </div> <div> <div>EC50 - for Crustacea</div> <div>32 mg/l/48h</div> </div> <div> <div>EC50 - for Algae / Aquatic Plants</div> <div>246 mg/l/72h</div> </div> <div> <div>Chronic NOEC for Crustacea</div> <div>23,2 mg/l 21 days</div> </div> <div> <div>Chronic NOEC for Algae / Aquatic Plants</div> <div>105 mg/l 72 h</div> </div> <div> <div>Isobutane</div> <div></div> </div> <div> <div>LC50 - for Fish</div> <div>&gt; 24,11 mg/l/96h</div> </div>  |  |   |
| 12.2. Persistence and degradability   |  |   |
| <div>Propane</div> <div>Global Warming Potential (GWP): 3. Ozone Depletion Potential (ODP): 0.</div> <div>Butane</div> <div> <div>Solubility in water</div> <div>0,1 - 100 mg/l</div> </div> <div> <div>Rapidly degradable</div> <div>Propane</div> </div> <div> <div>Solubility in water</div> <div>0,1 - 100 mg/l</div> </div> <div> <div>Rapidly degradable</div> <div>Isopropyl Alcohol</div> </div> <div> <div>Rapidly degradable</div> <div>Readily biodegradable (50%)</div> </div> <div> <div>Acetone</div> <div></div> </div> <div> <div>Rapidly degradable</div> <div>Ethyl acetate</div> </div> <div> <div>Solubility in water</div> <div>&gt; 10000 mg/l</div> </div> <div> <div>Rapidly degradable</div> <div>N-butyl acetate</div> </div> <div> <div>Solubility in water</div> <div>5,3 g/l</div> </div> <div> <div>Rapidly degradable</div> <div>Isobutane</div> </div> <div> <div>Rapidly degradable</div> <div></div> </div> |  |   |
| 12.3. Bioaccumulative potential   |  |   |
| <div>Butane</div> <div> <div>Partition coefficient: n-octanol/water</div> <div>1,09</div> </div> <div>Propane</div> <div> <div>Partition coefficient: n-octanol/water</div> <div>1,09</div> </div> <div>Isopropyl Alcohol</div> <div> <div>Partition coefficient: n-octanol/water</div> <div>0,05</div> </div> <div>Acetone</div> <div> <div>Partition coefficient: n-octanol/water</div> <div>-0,23</div> </div> <div>BCF</div> <div>3</div> <div>Ethyl acetate</div> <div> <div>Partition coefficient: n-octanol/water</div> <div>0,68</div> </div> <div>BCF</div> <div>30</div>  |  |   |

## A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL

N-butyl acetate

Partition coefficient: n-octanol/water 2,3

BCF 15,3

**12.4. Mobility in soil**

N-butyl acetate

Partition coefficient: soil/water &lt; 3

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

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Product residues are to be considered special hazardous waste.

Empty cans, even if completely emptied, must not be dispersed in the environment.

The aerosol container overheated to a temperature above 50 ° C may burst even if it contains a small residue of gas.

Disposal must take place in an authorized place and in compliance with the laws in force.

The transport of waste may be subject to ADR.

European waste catalog code (contaminated containers):

Aerosol as domestic waste is excluded from the application of the aforementioned rule.

The exhausted aerosol for professional / industrial use can be classified:

15.01.11 \*: metallic packaging containing dangerous solid porous matrices, including empty pressure containers.

**SECTION 14. Transport information****14.1. UN number or ID number**

ADR / RID, IMDG, IATA: 1950

**14.2. UN proper shipping name**

**AMBRO-SOL SRL SOCIETÀ BENEFIT**

Revision nr. 10

Dated 23/02/2023

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

Printed on 05/04/2023

Page n. 19/22

Replaced revision:9 (Dated: 30/08/2021)

ADR / RID: AEROSOLS  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

**14.3. Transport hazard class(es)**

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1

**14.4. Packing group**

ADR / RID, IMDG, IATA: -

**14.5. Environmental hazards**

ADR / RID: NO  
IMDG: NO  
IATA: NO

**14.6. Special precautions for user**

ADR / RID: HIN - Kemler: --

Limited  
Quantities: 1  
L

Tunnel  
restriction  
code: (D)

IMDG: Special provision: -  
EMS: F-D, S-U

Limited  
Quantities: 1  
L

IATA: Cargo:

Maximum  
quantity: 150  
Kg

Packaging  
instructions:  
203

Passengers:

Maximum  
quantity: 75  
Kg

Packaging  
instructions:  
203

Special provision:

A145, A167,  
A802

**14.7. Maritime transport in bulk according to IMO instruments**

Information not relevant

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: P3a

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursorsRegulated explosives precursor

The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.

All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

**15.2. Chemical safety assessment**

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

**SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

**Flam. Gas 1A** Flammable gas, category 1A

**Aerosol 1** Aerosol, category 1

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

|                           |  |
|---------------------------|--|
| <b>Aerosol 3</b>          | Aerosol, category 3  |
| <b>Flam. Liq. 2</b>       | Flammable liquid, category 2                                 |
| <b>Flam. Liq. 3</b>       | Flammable liquid, category 3                                 |
| <b>Press. Gas (Liq.)</b>  | Liquefied gas  |
| <b>Press. Gas (Comp.)</b> | Compressed gas   |
| <b>Press. Gas</b>         | Pressurised gas  |
| <b>Eye Irrit. 2</b>       | Eye irritation, category 2                                   |
| <b>STOT SE 3</b>          | Specific target organ toxicity - single exposure, category 3 |
| <b>H220</b>               | Extremely flammable gas.                                     |
| <b>H222</b>               | Extremely flammable aerosol.                                 |
| <b>H229</b>               | Pressurised container: may burst if heated.                  |
| <b>H225</b>               | Highly flammable liquid and vapour.                          |
| <b>H226</b>               | Flammable liquid and vapour.                                 |
| <b>H280</b>               | Contains gas under pressure; may explode if heated.          |
| <b>H319</b>               | Causes serious eye irritation.                               |
| <b>H336</b>               | May cause drowsiness or dizziness.                           |
| <b>EUH066</b>             | Repeated exposure may cause skin dryness or cracking.        |

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament

**A470 - CARBURETOR CLEANER 400 ml AMBRO-SOL**

6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website

- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

**Changes to previous review:**

The following sections were modified:

01 / 02 / 03 / 08 / 09 / 11 / 12 / 15 / 16.