

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



Safety Data Sheet dated 7/7/2019, version 6

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

1.1. Product identifier

Mixture identification:

Trade name: PULITORE IMPIANTO GPL SPRAY 120 ML
Trade code: 9837

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use:

Fuel additive

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.
via Antica di Cassano, 23, 20063
Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.
Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.

⚠ Danger, Eye Dam. 1, Causes serious eye damage.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H222+H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

PACK2 The packing must have tactile indications of danger for blind people.

Contains

potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 40% - < 50% Hydrocarbons, C3-4

REACH No.: 01-2119486557-22, Index number: 649-199-00-1, CAS: 68476-40-4, EC: 270-681-9

⚠ 2.2/1 Flam. Gas 1 H220

⚠ 2.5/L Press. Gas (Liq.) H280

DECLK (CLP)*

>= 30% - < 40% Distillates (petroleum), hydrotreated light

REACH No.: 01-2119456620-43, Index number: 649-422-00-2, CAS: 64742-47-8, EC: 926-141-6

⚠ 3.10/1 Asp. Tox. 1 H304

EUH066

>= 3% - < 5% Hydrocarbons, C10, Aromatics, >1% Naphthalene

REACH No.: 01-2119463588-24, CAS: 64742-94-5, EC: 919-284-0

⚠ 3.8/3 STOT SE 3 H336

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 4.1/C2 Aquatic Chronic 2 H411

EUH066

>= 3% - < 5% potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

EC: 231-308-5

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/1 Eye Dam. 1 H318

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



>= 3% - < 5% Polyolefin phenolic alkyleneamine , proprietà di Afton comP.di HiTEC

⚠ 3.2/2 Skin Irrit. 2 H315

>= 3% - < 5% Polyether polyol

4.1/C3 Aquatic Chronic 3 H412

>= 3% - < 5% Diossido di carbonio liquido refrigerato

CAS: 124-38-9, EC: 204-696-9

⚠ 2.5/RL Press. Gas (Ref. Liq.) H281

>= 1% - < 2% Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics

EC: 919-164-8

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.9/1 STOT RE 1 H372

4.1/C3 Aquatic Chronic 3 H412

>= 0.25% - < 0.5% naphthalene

CAS: 91-20-3, EC: 202-049-5

⚠ 3.6/2 Carc. 2 H351

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.

⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.

⚠ 2.7/2 Flam. Sol. 2 H228

>= 0.1% - < 0.25% 2-Ethylhexan-1-ol

REACH No.: 01-2119487289-20, CAS: 104-76-7, EC: 203-234-3

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 0.1% - < 0.25% Diethylbenzene

CAS: 25340-17-4, EC: 246-874-9

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 4.1/A1 Aquatic Acute 1 H400 M=1.

⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.

>= 0.1% - < 0.25% Mesitylene

CAS: 108-67-8, EC: 203-604-4

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 0.1% - < 0.25% 1,2,4-trimethylbenzene

CAS: 95-63-6, EC: 202-436-9

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.1/4/Inhal Acute Tox. 4 H332

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H335

⚠ 4.1/C2 Aquatic Chronic 2 H411

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- >= 0.005% - < 0.01% naphthalene
Index number: 601-052-00-2, CAS: 91-20-3, EC: 202-049-5
- ⚠ 3.6/2 Carc. 2 H351
 - ⚠ 3.1/4/Oral Acute Tox. 4 H302
 - ⚠ 4.1/A1 Aquatic Acute 1 H400
 - ⚠ 4.1/C1 Aquatic Chronic 1 H410
 - ⚠ 2.7/2 Flam. Sol. 2 H228

*DECLK (CLP): Substance classified in accordance with Note K, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3-butadiene (Einecs No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 should apply. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Wash thoroughly the body (shower or bath).
- Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

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

None

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

- In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Appropriate Extinguishing Media:
- Not Recommended Extinguishing Media:

5.2. Special hazards arising from the substance or mixture

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.

5.3. Advice for firefighters

- Use suitable breathing apparatus .
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Move undamaged containers from immediate hazard area if it can be done safely.

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - See also section 8 for recommended protective equipment.
 - Advice on general occupational hygiene:
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)
 - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Hydrocarbons, C3-4 - CAS: 68476-40-4
 - MAK - TWA: 2400 mg/m³, 1000 ppm
 - TLV TWA - 1900 mg/m³, 800 ppm
 - Diossido di carbonio liquido refrigerato - CAS: 124-38-9
 - EU - TWA(8h): 9000 mg/m³, 5000 ppm
 - ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm - Notes: Asphyxia
 - naphthalene - CAS: 91-20-3
 - EU - TWA(8h): 50 mg/m³, 10 ppm
 - ACGIH - TWA(8h): 10 ppm - Notes: Skin, A3 - URT irr, cataracts, hemolytic anemia
 - 2-Ethylhexan-1-ol - CAS: 104-76-7
 - EU - TWA(8h): 5.4 mg/m³, 1 ppm
 - Diethylbenzene - CAS: 25340-17-4
 - EU - TWA(8h): 10 mg/m³
 - Mesitilene - CAS: 108-67-8
 - EU - TWA(8h): 100 mg/m³, 20 ppm
 - 1,2,4-trimethylbenzene - CAS: 95-63-6

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



EU - TWA(8h): 100 mg/m³, 20 ppm
 naphthalene - CAS: 91-20-3
 20101.13 - TWA: 50 mg/m³, 10 ppm
 EU - TWA(8h): 50 mg/m³, 10 ppm
 ACGIH - TWA(8h): 10 ppm - Notes: Skin, A3 - URT irr, cataracts, hemolytic anemia

DNEL Exposure Limit Values

Hydrocarbons, C10, Aromatics, >1% Naphthalene - CAS: 64742-94-5
 Worker Professional: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal
 Worker Professional: 150 mg/m³ - Consumer: 32 mg/m³ - Exposure: Human Inhalation
 Consumer: 11 mg/kg - Exposure: Human Oral
 naphthalene - CAS: 91-20-3
 Worker Professional: 1 mg/kg - Consumer: 0.5 mg/kg - Exposure: Human Oral
 Worker Professional: 3 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal
 Worker Professional: 0.037 mg/m³ - Consumer: 0.0183 mg/m³ - Exposure: Human Inhalation
 2-Ethylhexan-1-ol - CAS: 104-76-7
 Worker Professional: 23 mg/kg - Consumer: 2.3 mg/m³ - Exposure: Human Inhalation
 Worker Professional: 23 mg/kg - Exposure: Human Dermal
 Consumer: 1.1 mg/kg - Exposure: Human Oral
 Consumer: 11.4 mg/m³ - Exposure: Human Inhalation

PNEC Exposure Limit Values

naphthalene - CAS: 91-20-3
 Target: Fresh Water - Value: 0.0024 mg/l
 Target: Marine water - Value: 0.0024 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Spray da 120 ml	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--

Safety Data Sheet
PULITORE IMPIANTO GPL SPRAY 120 ML



Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

NA=not applicable

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

PULITORE IMPIANTO GPL SPRAY 120 ML

a) acute toxicity

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

d) respiratory or skin sensitisation

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Based on available data, the classification criteria are not met

f) carcinogenicity

Based on available data, the classification criteria are not met

g) reproductive toxicity

Based on available data, the classification criteria are not met

h) STOT-single exposure

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Distillates (petroleum), hydrotreated light - CAS: 64742-47-8

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 5000 mg/m³ - Duration: 8h

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

b) skin corrosion/irritation:

Test: OECD TG 404 - Route: Skin Negative

c) serious eye damage/irritation:

Test: OECD TG 405 - Route: EYE Negative

d) respiratory or skin sensitisation:

Test: Inhalation Sensitization 3

Test: Skin Sensitization 3

j) aspiration hazard:

Test: May be fatal if swallowed and enters airways (physical-chemical properties) - Route:

Oral Positive

Hydrocarbons, C10, Aromatics, >1% Naphthalene - CAS: 64742-94-5

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 5.28 mg/m³ - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rat Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Negative
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Oral - Species: Rat Negative
- potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate
- b) skin corrosion/irritation:
Test: Skin Sensitization Negative
- h) STOT-single exposure:
Test: Respiratory Tract Irritant Positive
- Polyolefin phenolic alkyleneamine , proprietà di Afton comP.di HiTEC
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Oral - Species: Rat Positive
- Polyether polyol
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Negative
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics
- i) STOT-repeated exposure:
Route: Inhalation Positive
- j) aspiration hazard:
Test: May be fatal if swallowed and enters airways (physical-chemical properties) Positive
- naphthalene - CAS: 91-20-3
- a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 100 Ppm - Duration: 8h - Notes: IARC 2B
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 0.4 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2500 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 16000 mg/kg
Test: LD50 - Route: Oral - Species: Mouse 533 mg/kg
Test: LD50 - Route: Oral - Species: Rat 2600 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Negative

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- f) carcinogenicity:
Test: Carcinogeneticity - Species: Rat Positive
2-Ethylhexan-1-ol - CAS: 104-76-7
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 2040 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 0.89-5.3 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat 1970 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Respiratory Tract Irritant - Species: Rabbit Positive
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- f) carcinogenicity:
Test: Carcinogeneticity - Route: Oral - Species: Mouse Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Oral - Species: Rat Negative
- Diethylbenzene - CAS: 25340-17-4
- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LD50 - Route: Oral - Species: Rat 2050 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Negative
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- f) carcinogenicity:
Test: Carcinogeneticity - Route: Skin - Species: Mouse Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Oral - Species: Rat Negative
- Mesitilene - CAS: 108-67-8
- a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat 24000 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Negative
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Inhalation - Species: Rat Positive
- 1,2,4-trimethylbenzene - CAS: 95-63-6
- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 3440 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 3160 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 10200 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg
Test: LD50 - Route: Oral - Species: Rat 3400-6000 mg/kg

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- b) skin corrosion/irritation:
Test: Skin Irritant - Route: Skin - Species: Rabbit Positive
- c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYE - Species: Rabbit Positive
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: IND Positive
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Inhalation - Species: Rat Positive
- naphthalene - CAS: 91-20-3
- e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Positive
- f) carcinogenicity:
Test: Carcinogenecity - Route: Inhalation - Species: Rat Positive - Notes: IARC 2B
- i) STOT-repeated exposure:
Test: oecd 16 Positive

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Hydrocarbons, C3-4 - CAS: 68476-40-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 14.22 mg/l - Duration h: 48

Distillates (petroleum), hydrotreated light - CAS: 64742-47-8

a) Aquatic acute toxicity:

Endpoint: EL0 - Species: Daphnia 1000 mg/l - Duration h: 48

Endpoint: EL0 - Species: Algae 1000 mg/l - Duration h: 72

Endpoint: CE7 - Species: Fish 1000 mg/l - Duration h: 96

Hydrocarbons, C10, Aromatics, >1% Naphthalene - CAS: 64742-94-5

a) Aquatic acute toxicity:

Endpoint: EL50 - Species: Algae > 1 mg/l - Duration h: 72

Endpoint: EL50 - Species: Daphnia = 1.4 mg/l - Duration h: 48

Endpoint: LL50 - Species: Fish = 2-5 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Fish = 1 mg/l - Duration h: 72

Endpoint: NOEL - Species: Daphnia = 0.48 mg/l - Duration h: 504

potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 27.2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 6.6 mg/l - Duration h: 48

c) Bacteria toxicity:

Endpoint: EC50 - Species: fanghi 164 mg/l - Duration h: 1

Polyolefin phenolic alkyleneamine , proprietà di Afton comP.di HiTEC

a) Aquatic acute toxicity:

Endpoint: EL50 - Species: Algae 84 mg/l - Duration h: 72

Endpoint: LL50 - Species: Daphnia 718 mg/l - Duration h: 96

Endpoint: LL50 - Species: Fish 175 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Algae 6.25 mg/l - Duration h: 72

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 10.01-100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 100.1-200 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 10.01-100 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



Endpoint: NOEC - Species: Algae 3 mg/l - Duration h: 72
naphthalene - CAS: 91-20-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Algae 2.96 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 2.16 mg/l - Duration h: 48
Endpoint: EC50 - Species: Fish 0.96 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia 0.59 mg/l - Duration h: 3000
Endpoint: NOEC - Species: Fish 0.12 mg/l - Duration h: 960

2-Ethylhexan-1-ol - CAS: 104-76-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 39 mg/l - Duration h: 48
Endpoint: EL50 - Species: Algae 16.6 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish 17.1 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: EL10 - Species: Algae 5.3 mg/l - Duration h: 72

Diethylbenzene - CAS: 25340-17-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae 1.21 mg/l - Duration h: 72
Endpoint: EC50 - Species: Daphnia 2.01 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish 0.673 mg/l - Duration h: 96
Endpoint: NOEC - Species: fanghi > 1000 mg/l - Duration h: 3

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 0.547 mg/l - Duration h: 72

Mesitilene - CAS: 108-67-8

a) Aquatic acute toxicity:

Endpoint: EL50 - Species: Algae 25 mg/l - Duration h: 48
Endpoint: LL50 - Species: Daphnia 6 mg/l - Duration h: 72
Endpoint: LL50 - Species: Fish 12.52 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: EL10 - Species: Algae 8.1 mg/l - Duration h: 48
Endpoint: NOEC - Species: Daphnia 0.4 mg/l - Duration h: 504

1,2,4-trimethylbenzene - CAS: 95-63-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia 3.6 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish 7.72 mg/l - Duration h: 96

12.2. Persistence and degradability

None

Hydrocarbons, C10, Aromatics, >1% Naphthalene - CAS: 64742-94-5

Biodegradability: 4 - Test: BIOGDG10 - Duration: 28gg - %: 58.6

potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

Biodegradability: 4 - Test: BIOGDG08 - Duration: 28gg - %: 66.7
Test: BIOGDG07 - Duration: 28gg - %: 91.2

Polyolefin phenolic alkyleneamine, proprietà di Afton comP.di HiTEC

Biodegradability: Non-readily biodegradable - Test: BIOGDG08 - Duration: 28gg - %: 4

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics

Test: BIOGDG10 - Duration: 28gg - %: 74.4

naphthalene - CAS: 91-20-3

Biodegradability: Non-readily biodegradable - Test: OECD 302C - Duration: 28gg - %: 0-2

2-Ethylhexan-1-ol - CAS: 104-76-7

Biodegradability: 4 - Duration: 14 days - %: 100

Diethylbenzene - CAS: 25340-17-4

Biodegradability: Non-readily biodegradable - Test: BIOGDG06 - Duration: 28gg - %: 4.7

Mesitilene - CAS: 108-67-8

Biodegradability: Non-readily biodegradable - Duration: 28gg - %: 42

1,2,4-trimethylbenzene - CAS: 95-63-6

Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

9837/6

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



Hydrocarbons, C10, Aromatics, >1% Naphthalene - CAS: 64742-94-5

Test: log Pow 2.8-6.5

Test: BCF - Bioconcentration factor 99-5780

potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate

Test: Kow - Partition coefficient 1.98

naphthalene - CAS: 91-20-3

Test: log Pow 3.4

Test: BCF - Bioconcentration factor 36.5-168

2-Ethylhexan-1-ol - CAS: 104-76-7

Test: BCF - Bioconcentration factor 25.33

Test: log Pow 2.9

Diethylbenzene - CAS: 25340-17-4

Test: BCF - Bioconcentration factor 320-629

Mesitylene - CAS: 108-67-8

Test: log Pow 3.42

Test: BCF - Bioconcentration factor 161

1,2,4-trimethylbenzene - CAS: 95-63-6

Test: log Pow 3.63

Test: BCF - Bioconcentration factor 243

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable

IATA-Shipping Name: AEROSOLS, flammable

IMDG-Shipping Name: AEROSOLS, flammable

14.3. Transport hazard class(es)

ADR-Class: 2

ADR - Hazard identification number: -

IATA-Class: 2

IATA-Label: 2.1

IMDG-Class: 2

Sea (IMO): 2

14.4. Packing group

ADR-Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
Rail (RID): 2
ADR-Subsidiary hazards: See SP63
ADR-S.P.: 190 327 344 625
ADR-Transport category (Tunnel restriction code): 2 (D)
IATA-Passenger Aircraft: 203
IATA-Subsidiary hazards: See SP63
IATA-Cargo Aircraft: 203
IATA-S.P.: A145 A167 A802
IATA-ERG: 10L
IMDG-EmS: F-D,
S-U
IMDG-Subsidiary hazards: See SP63
IMDG-Stowage and handling: SW1 SW22
IMDG-Segregation: SG69
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No
Limited Quantity: 1 L
Exempted Quantity: E0

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
- Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restriction 40
Restrictions related to the substances contained:
No restriction.
- Volatile Organic compounds - VOCs = 85.51 %
Volatile Organic compounds - VOCs = 855.12 g/Kg
Volatile Organic compounds - VOCs = 566.94 g/l
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



Seveso III category according to Annex 1, part 1
Product belongs to category: P3a

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

H372 Causes damage to organs through prolonged or repeated exposure.

H351 Suspected of causing cancer.

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H228 Flammable solid.

H335 May cause respiratory irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H226 Flammable liquid and vapour.

Hazard class and hazard category	Code	Description
Flam. Gas 1	2.2/1	Flammable gas, Category 1
Aerosols 1	2.3/1	Aerosol, Category 1
Press. Gas (Liq.)	2.5/L	Gases under pressure (Liquefied gas)
Press. Gas (Ref. Liq.)	2.5/RL	Gases under pressure (Refrigerated liquefied gas)
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Flam. Sol. 2	2.7/2	Flammable solid, Category 2
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Safety Data Sheet
PULITORE IMPIANTO GPL SPRAY 120 ML



Carc. 2	3.6/2	Carcinogenicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222+H229	On basis of test data
Eye Dam. 1, H318	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Safety Data Sheet

PULITORE IMPIANTO GPL SPRAY 120 ML



ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.