

## Safety Data Sheet

# PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



Safety Data Sheet dated 3/7/2019, version 5

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

#### 1.1. Product identifier

Mixture identification:

Trade name: PETRONAS Durance PULITORE CATENE E  
METALLI/METALS - CHAINS CLEANER SPRAY ML 500

Trade code: 8561

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

Recommended use:

BRAKE, CHAIN AND METAL CLEANER

#### 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.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

In assenza di sufficiente ventilazione è possibile la formazione di miscele esplosive

#### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

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

H315 Causes skin irritation.

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements:

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.  
P261 Avoid breathing vapours.  
P271 Use only outdoors or in a well-ventilated area.  
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.  
P312 Call a POISON CENTER if you feel unwell.  
P391 Collect spillage.  
P405 Store locked up.  
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:

None

#### Contains

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
acetone

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

None

Regulation (EC) nr 648/2004 (detergents).

#### Product contents:

Aliphatic hydrocarbons > 30 %

#### 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:

>= 30% - < 40% Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics  
REACH No.: 01-2119475515-33, CAS: 64742-49-0, EC: 927-510-4  
⚠ 2.6/2 Flam. Liq. 2 H225  
⚠ 3.10/1 Asp. Tox. 1 H304  
⚠ 4.1/C2 Aquatic Chronic 2 H411  
⚠ 3.2/2 Skin Irrit. 2 H315  
⚠ 3.8/3 STOT SE 3 H336

>= 30% - < 40% Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
REACH No.: 01-2119475514-35, CAS: 92128-66-0, EC: 921-024-6  
⚠ 2.6/2 Flam. Liq. 2 H225  
⚠ 3.10/1 Asp. Tox. 1 H304

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



- ⚠ 4.1/C2 Aquatic Chronic 2 H411
- ⚠ 3.2/2 Skin Irrit. 2 H315
- ⚠ 3.8/3 STOT SE 3 H336

>= 20% - < 25% acetone

- REACH No.: 01-2119472426-35, Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2
- ⚠ 2.6/2 Flam. Liq. 2 H225
  - ⚠ 3.3/2 Eye Irrit. 2 H319
  - ⚠ 3.8/3 STOT SE 3 H336

>= 3% - < 5% propane

- Index number: 601-003-00-5, CAS: 74-98-6, EC: 200-827-9
- ⚠ 2.2/1 Flam. Gas 1 H220
  - ⚠ 2.5/L Press. Gas (Liq.) H280

>= 3% - < 5% and isobutane [2]

- Index number: 601-004-00-0, CAS: 75-28-5, EC: 200-857-2
- ⚠ 2.2/1 Flam. Gas 1 H220
  - ⚠ 2.5/L Press. Gas (Liq.) H280

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

- CAS: 124-38-9, EC: 204-696-9
- ⚠ 2.5/RL Press. Gas (Ref. Liq.) H281

---

#### 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.
- Wash thoroughly the body (shower or bath).
- Remove contaminated clothing immediately and dispose off safely.
- After contact with skin, wash immediately with soap and plenty of water.

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

8561/5

Page n. 3 of 12

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



Appropriate Extinguishing Media:

Foam

To dust.

To carbon dioxide.

Not Recommended Extinguishing Media:

Do not use direct water jets.

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.

---

#### 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

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

acetone - CAS: 67-64-1

EU - TWA(8h): 1210 mg/m<sup>3</sup>, 500 ppm

ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

propane - CAS: 74-98-6

ACGIH - Notes: (D, EX) - Asphyxia

VLE short - 1000 ppm

and isobutane [2] - CAS: 75-28-5

ACGIH - STEL: 1000 ppm - Notes: (EX) - CNS impair

VLE short - 1000 ppm

Diossido di carbonio liquido refrigerato - CAS: 124-38-9

EU - TWA(8h): 9000 mg/m<sup>3</sup>, 5000 ppm

ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm - Notes: Asphyxia

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

##### 8.2. Exposure controls

Eye protection:

Safety goggles.

Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

Butyl caoutchouc (butyl rubber).

Compliant with EN 374.

Respiratory protection:

Use adequate protective respiratory equipment.

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:	Aerosol	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



**PETRONAS**

Flash point:	-20°C	--	--
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:	0,7431	--	--
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

None

### 10.4. Conditions to avoid

8561/5

Page n. 6 of 12

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



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:

PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY  
ML 500

#### a) acute toxicity

Based on available data, the classification criteria are not met

Test: LC50 - Route: Inhalation - Species: Rat 796 mg/l - Duration: 4h

#### b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

#### c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

#### 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

The product is classified: STOT SE 3 H336

#### i) STOT-repeated exposure

Based on available data, the classification criteria are not met

#### j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0

#### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 23300 mg/kg - Duration: 4h

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - CAS: 92128-66-0

#### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2920 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 2 25.2 mg/l - Duration: 4h

acetone - CAS: 67-64-1

#### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 5800 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 20000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 76 mg/l - Duration: 4h

propane - CAS: 74-98-6

## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 20 mg/l - Duration: 4h  
and isobutane [2] - CAS: 75-28-5

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 50 mg/l - Duration: 4h  
acetone - CAS: 67-64-1

#### OBSERVATIONS ON HUMAN SUBJECTS:

Acetone's routes of entry to the body are skin absorption, swallowing and, especially, inhalation. It is eliminated through the lungs (40-70%), in urine (15-30%), and through the skin (10%). Tests carried out with C14 have demonstrated that acetone takes part as an intermediary in the metabolism of lipids and indirectly in the glycidol cycle. Trials on human subjects have demonstrated that it is impossible to inhale concentrations of 22 mg/l (9300 ppm) for more than 5 minutes owing to throat irritation. Subjects exposed to 500 ppm of acetone have displayed irritation to the eyes, throat, and nose. Concentrations > 300 ppm cause: slight irritation to the mucous membranes. Concentrations = 800 ppm (30') cause: malaise. DL (oral, estimated) = 50 ml

---

## SECTION 12: Ecological information

### 12.1. Toxicity

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics - CAS: 64742-49-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 3 mg/l - Duration h: 48

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane - CAS: 92128-66-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 3 mg/l - Duration h: 48

acetone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 8800 mg/l - Duration h: 48

### 12.2. Persistence and degradability

None

N.A.

### 12.3. Bioaccumulative potential

N.A.

### 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





## Safety Data Sheet

### PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



**PETRONAS**

- 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  
ADR-Shipping Name: AEROSOLS  
IATA-Shipping Name: AEROSOLS, flammable  
IMDG-Shipping Name: AEROSOLS, flammable  
IMDG-Technical name: AEROSOLS
- 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): 2.1 UN 1950
- 14.4. Packing group  
ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -
- 14.5. Environmental hazards  
ADR-Environmental Pollutant: Yes  
IMDG-Marine pollutant: Marine Pollutant
- 14.6. Special precautions for user  
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)

## Safety Data Sheet

# PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



**PETRONAS**

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 = 96.70 %

Volatile Organic compounds - VOCs = 967.00 g/Kg

Volatile Organic compounds - VOCs = 718.58 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):

Seveso III category according to Annex 1, part 1

Product belongs to category: P3a, E2

### 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:

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H319 Causes serious eye irritation.

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

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

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. 2	2.6/2	Flammable liquid, Category 2
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1

## Safety Data Sheet

# PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500



**PETRONAS**

Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification  
SECTION 7: Handling and storage  
SECTION 14: Transport information  
SECTION 15: Regulatory information

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

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Aerosols 1, H222+H229	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	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.

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.

## Safety Data Sheet

### **PETRONAS Durance PULITORE CATENE E METALLI/METALS - CHAINS CLEANER SPRAY ML 500**



**PETRONAS**

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.