

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023




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

- **1.1 Product identifier**
- **Trade name:** POLO Racing Dynamic Chain Cleaner
- **Article number:** 55130100065
- **UFI:** IURV-D1C8-300G-MRC3
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
POLO Motorrad und Sportswear GmbH  
Polostr. 1  
41363 Jüchen  
  
Tel: 02165 84 40 200  
Fax: 01265 84 40 450  
E-Mail: [info@polo-motorrad.com](mailto:info@polo-motorrad.com)
- **Further information obtainable from:**  
Safety Department  
[sicherheit@dr-stoecker.de](mailto:sicherheit@dr-stoecker.de)
- **1.4 Emergency telephone number:**  
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

		
GHS02	GHS07	GHS09
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H315 Causes skin 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.

(Contd. on page 2)



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### according to 1907/2006/EC, Article 31

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Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 1)

- 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 spray.*
- P271 *Use only outdoors or in a well-ventilated area.*
- P273 *Avoid release to the environment.*
- P280 *Wear protective gloves.*
- P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- P312 *Call a POISON CENTER/doctor if you feel unwell.*
- P332+P313 *If skin irritation occurs: Get medical advice/attention.*
- P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*
- P501 *Dispose of contents/container according to the official regulations.*
- **Additional information:**  
*Buildup of explosive mixtures possible without sufficient ventilation.*
  - **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	50-100%
CAS: 124-38-9 EINECS: 204-696-9	carbon dioxide substance with a Community workplace exposure limit	2.5-10%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥30%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
*Immediately remove any clothing soiled by the product.  
Take affected persons out into the fresh air.*
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:**  
*Clean with water and soap. If possible, also wash with polyethylene glycol 400.  
If skin irritation continues, consult a doctor.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
- **After swallowing:**  
*Do not induce vomiting; call for medical help immediately.  
Rinse mouth.*
- **4.2 Most important symptoms and effects, both acute and delayed**  
*Headache  
Dizziness  
Nausea*

(Contd. on page 3)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  - Carbon dioxide
  - Fire-extinguishing powder
  - Sand
  - Alcohol resistant foam
  - Water haze
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  - Can form explosive gas-air mixtures.
  - Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
- **Additional information**
  - Cool endangered receptacles with water spray.
  - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

\*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
  - Ensure adequate ventilation
  - Use respiratory protective device against the effects of fumes/dust/aerosol.
  - Remove persons from danger area.
  - Keep away from ignition sources.
- **6.2 Environmental precautions:**
  - Do not allow product to reach sewage system or any water course.
  - Do not allow to enter sewers/ surface or ground water.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - In case of seepage into the ground inform responsible authorities.
- **6.3 Methods and material for containment and cleaning up:**
  - Ensure adequate ventilation.
  - Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Use only in well ventilated areas.
  - Avoid splashes or spray in enclosed areas.
  - Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

(Contd. on page 4)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 3)

*Open and handle receptacle with care.***· Information about fire - and explosion protection:***Keep ignition sources away - Do not smoke.**Protect against electrostatic charges.**Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.**Do not spray onto a naked flame or any incandescent material.**Fumes can combine with air to form an explosive mixture.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:***Store in a cool location.**Store only in the original receptacle.**Observe official regulations on storing packagings with pressurised containers.***· Information about storage in one common storage facility:***Observe official regulations on storing packagings with pressurised containers.**Store away from oxidising agents.***· Further information about storage conditions:***Keep container tightly sealed.**Do not seal receptacle gas tight.**Protect from heat and direct sunlight.**Store receptacle in a well ventilated area.**Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.**Protect from frost.**Store under lock and key and out of the reach of children.***· Storage class: 2 B****· 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:****124-38-9 carbon dioxide**IOELV Long-term value: 9000 mg/m<sup>3</sup>, 5000 ppm**· DNELs****Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral Long term - systemic effects, general population 699 mg/kg bw/day (general population)

Dermal Long-term - systemic effects, worker 773 mg/kg bw/day (worker)

Long term - systemic effects, general population 699 mg/kg bw/day (general population)

Inhalative Long-term - systemic effects, worker 2,035 mg/m<sup>3</sup> (worker)Long term - systemic effects, general population 608 mg/m<sup>3</sup> (general population)**· Additional information:** The lists valid during the making were used as basis.**· 8.2 Exposure controls****· Appropriate engineering controls** No further data; see item 7.**· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:***Keep away from foodstuffs, beverages and feed.**Immediately remove all soiled and contaminated clothing**Wash hands before breaks and at the end of work.**Avoid contact with the skin.*

(Contd. on page 5)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 4)

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX

Filter A/P2

· **Hand protection** Protective gloves

· **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommended thickness of the material:  $\geq 45$  mm

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

· **Eye/face protection** Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Aerosol

· **Colour:**

Colourless

· **Odour:**

Characteristic

· **Odour threshold:**

No further relevant information available.

· **Melting point/freezing point:**

No further relevant information available.

· **Boiling point or initial boiling point and boiling range**

88 °C

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

0.6 Vol %

· **Upper:**

7.2 Vol %

· **Flash point:**

-12 °C

· **Ignition temperature:**

No further relevant information available.

· **Decomposition temperature:**

No further relevant information available.

· **pH**

Not applicable.

· **Viscosity:**

· **Kinematic viscosity**

No further relevant information available.

· **Dynamic:**

No further relevant information available.

· **Solubility**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient n-octanol/water (log value)**

Does not apply to mixtures.

· **Vapour pressure:**

No further relevant information available.

· **Density and/or relative density**

· **Density at 20 °C:**

0.673 g/cm<sup>3</sup> (DIN 51757)

· **Relative density**

No further relevant information available.

· **Vapour density**

No further relevant information available.

(Contd. on page 6)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 5)

**· 9.2 Other information****· Appearance:****· Form:**

Aerosol

**· Important information on protection of health and environment, and on safety.****· Auto-ignition temperature:**

Product is not selfigniting.

**· Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**· Change in condition****· Softening point/range****· Oxidising properties**

No further relevant information available.

**· Evaporation rate**

Not applicable.

**· Information with regard to physical hazard classes****· Explosives**

Void

**· Flammable gases**

Void

**· Aerosols**

Extremely flammable aerosol. Pressurised container: May burst if heated.

**· Oxidising gases**

Void

**· Gases under pressure**

Void

**· Flammable liquids**

Void

**· Flammable solids**

Void

**· Self-reactive substances and mixtures**

Void

**· Pyrophoric liquids**

Void

**· Pyrophoric solids**

Void

**· Self-heating substances and mixtures**

Void

**· Substances and mixtures, which emit flammable gases in contact with water**

Void

**· Oxidising liquids**

Void

**· Oxidising solids**

Void

**· Organic peroxides**

Void

**· Corrosive to metals**

Void

**· Desensitised explosives**

Void

### SECTION 10: Stability and reactivity

**· 10.1 Reactivity** No further relevant information available.**· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**· 10.3 Possibility of hazardous reactions** No dangerous reactions known.**· 10.4 Conditions to avoid** Protect from heat and direct sunlight.**· 10.5 Incompatible materials:** oxidizing agent**· 10.6 Hazardous decomposition products:**

Aldehyde

Carbon monoxide

Carbon dioxide

### SECTION 11: Toxicological information

**· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****· Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 7)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 6)

**· LD/LC50 values relevant for classification:****Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,800-3,100 mg/kg (rat)
Inhalative	LC50/4 h	>25 mg/l (rat)

**· Skin corrosion/irritation**

Causes skin irritation.

**· Serious eye damage/irritation** Based on available data, the classification criteria are not met.**· Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**· Germ cell mutagenicity** Based on available data, the classification criteria are not met.**· Carcinogenicity** Based on available data, the classification criteria are not met.**· Reproductive toxicity** Based on available data, the classification criteria are not met.**· STOT-single exposure**

May cause drowsiness or dizziness.

**· STOT-repeated exposure** Based on available data, the classification criteria are not met.**· Aspiration hazard** Based on available data, the classification criteria are not met.**· 11.2 Information on other hazards****· Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information****· 12.1 Toxicity****· Aquatic toxicity:****Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

NOEC 28 d	2.045 mg/l (Oncorhynchus mykiss) (CONCAWE, Brussels, Belgium (2010))
NOEC 21 d	1 mg/l (Daphnia magna) (SIDS Initial Assessment Report for SIAM)
ErC50/72 h	10-30 mg/l (Pseudokrichneriella subcapitata)
LC50/96 h	>1-10 mg/l (Pimephlas promelas)
EC50/48 h	>1-10 mg/l (Daphnia magna)
EC50/72 h	10-30 mg/l (Pseudokrichneriella subcapitata)

**· 12.2 Persistence and degradability** No further relevant information available.**· 12.3 Bioaccumulative potential** No further relevant information available.**· 12.4 Mobility in soil** No further relevant information available.**· 12.5 Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**· 12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**· 12.7 Other adverse effects****· Remark:** Toxic for fish**· Additional ecological information:****· General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

Danger to drinking water if even small quantities leak into the ground.

(Contd. of page 7)

**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Dispose of contents/container in accordance with local/regional/national/international regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN number or ID number**· **ADR, IMDG, IATA**

UN1950

· **14.2 UN proper shipping name**· **ADR**

AEROSOLS, ENVIRONMENTALLY HAZARDOUS

· **IMDG**

AEROSOLS, MARINE POLLUTANT

· **IATA**

AEROSOLS, flammable

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

2.5F Gases.

· **Label**

2.1

· **IMDG**· **Class**

2.1 Gases.

· **Label**

2.1

· **IATA**· **Class**

2.1 Gases.

· **Label**

2.1

· **14.4 Packing group**· **ADR, IMDG, IATA**

Void

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances:  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics,  
<5% n-hexane

· **Marine pollutant:**

Symbol (fish and tree)

· **Special marking (ADR):**

Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Gases.

(Contd. on page 9)





**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

Trade name: **POLO Racing Dynamic Chain Cleaner**

(Contd. of page 8)

· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

(Contd. on page 10)



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.05.2023

Version number 8 (replaces version 7)

Revision: 04.05.2023

**Trade name: POLO Racing Dynamic Chain Cleaner**

(Contd. of page 9)

**· Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**· Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.****SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Relevant phrases**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

**· Department issuing SDS: Department R&D****· Contact: Department R&D****· Date of previous version: 15.03.2021****· Version number of previous version: 7****· Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aerosol 1: Aerosols – Category 1

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

**· \* Data compared to the previous version altered.**