
SAFETY DATA SHEET

According to Regulation EC No 1907/2006 - REACH and Regulation EC No 1272/2008 - CLP

REPSOL MOTO BRAKE & PARTS CLEANER

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

1.1 Product identifier

Commercial name	REPSOL MOTO BRAKE & PARTS CLEANER
Chemical name	N/A
Synonyms	N/A
CAS	N/A
EC (EINECS)	N/A
Index No (annex VI	
Regulation EC No	N/A
1272/2008)	
Registration Number	N/A
Authoritation Number	N/A
Material Code	RP716A

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

Brake cleaner disc.

1.3 Details of the supplier of the safety data sheet

Company	REPSOL LUBRICANTES Y ESPECIALIDADES, S.A.
Address	Méndez Álvaro, 44 28045 - MADRID, Spain
Phone	+34 917538000 /+34 917538100
Fax	+34 902303145
e-mail address	FDSRLESA@repsol.com




1.4 Emergency telephone number

Carechem 24: +44 (0) 1235 239 670
Carechem 24: +1 215 207 0061
Carechem 24: 001866 928 0789

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture	2.2 Label elements
CLASSIFICATION Reg.(CE)1272/2008(CLP)	LABELLING

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Aerosol: Aerosol 1 Skin corrosion/irritation: Skin Irrit. 2 Serious eye damage/eye irritation: Eye Irrit. 2 Hazardous to the aquatic environment: Aquatic Chronic 2 Specific target organ toxicity: STOT SE 3	Pictograms GHS02 GHS07 GHS09	  
	Signal word	Danger
	Hazard statements	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
	Supplemental information	N/A
	Precautionary statements	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. P264: Wash thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P251: Do not pierce or burn, even after use. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Supplementary elements which must be displayed on the labels

2.3

N/A

2.4 Special packaging requirements

Containers which must be provided with a child safety seal:

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Not applicable

Tactile hazard warning:

Not applicable

2.5 Other hazards

Results of the assessment of PBT and vPvB in the product, in accordance with the criteria set out in Annex XIII of REACH, can be found in Section 12.5 of this MSDS.

Please refer to Sections 5, 6 and 7 of this MSDS for information on other dangers, different from classification dangers but which may contribute to the overall hazards of the product.

SECTION 3. Composition/information on ingredients

Prepared liquid aerosol spray.

Dangerous components Reg. (CE) 1272/2008 (CLP)	Concentration (%)	Hazard statements
Naphtha (petroleum), hydrotreated light CAS: 64742-49-0 EC (EINECS): 927-510-4	47,6	H225, H304, H315, H336, H411
Dimethoxymethane CAS: 109-87-5 EC (EINECS): 203-714-2	31,7	H225
Isopropyl Alcohol CAS: 67-63-0 EC (EINECS): 200-661-7	16	H225, H319, H336

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation: Move the person to fresh air.
Seek medical care urgently.

Ingestion/Aspiration: Do not induce vomiting.
Wash out mouth with water.
Seek medical care.

Contact skin: Remove contaminated clothing.
Wash the affected area with plenty of water.

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Contact eyes: Wash eyes with plenty of water for at least 15 minutes.
If irritation persists, seek medical care.

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

Inhalation: Inhalation of high concentrations may cause harmful central nervous system effects, including excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, and respiratory arrest.
Propellant has narcotic properties and may become an asphyxiant by diluting or decreasing the available oxygen in potential breathing zones.

Ingestion/Aspiration: Ingestion may cause nausea or vomiting.

Contact skin: Dry skin, irritation in case of repeated or prolonged exposure.

Contact eyes: Contact with eyes may produce irritation, causing pain, tearing and hazy vision.

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

Seek medical care.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, CO₂, foam and dry chemical powder.

Unsuitable extinguishing media: N/A

5.2. Special hazards arising from the substance or mixture

Combustion products: CO.

Special measures: Cool containers and surroundings with water spray.

Special hazards: Aerosol may explode due to internal pressure reaches when exposed to temperatures above 50 ° C. Containers liable to burst with force can be projected during a fire.

5.3. Advice for firefighters:

Do not inhale explosion gases.

SECTION 6. Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ventilate contaminated area.
Eliminate all possible sources of ignition.
Avoid contact with skin or eyes and inhalation of the vapors.

Personal protection: Wear air-supplied breathing apparatus in presence of high gas concentrations.
Waterproof gloves and other protective resistant clothing if contact with product is possible.

6.2. Environmental precautions

Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

6.3. Methods and material for containment and cleaning up

Collect with sand or other inert material and place into containers for later disposal.
Consult with authorized agencies.

6.4. Reference to other sections

Section 8 contains more detailed advice on personal protective equipment and section 13 on waste disposal.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

General precautions: Eliminate all possible sources of ignition.
Protect from sunlight and do not expose to temperatures exceeding 50 ° C.
Use only in well ventilated areas.

Specific conditions: Good local exhaust ventilation in confined areas, either fixed and/or forced (according to legislation in force).
Working spark resistant equipment and tools.
In filling and handling of bottles, you should use gloves, antistatic suit and shoes, in these operations, the use of goggles or face shields to prevent possible projections is advisable.
Qualified personnel and special existing safety manuals and codes should be used during bulk loading, cleaning and maintaining tanks or containers (making sure containers are empty and free of vapors before performing any inspection, which will be performed by qualified personnel).

7.2. Conditions for safe storage, including any incompatibilities

Temperature and decomposition products: Do not store at high temperatures (generally at

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temperatures above 50°C).

Dangerous reactions: Highly flammable product. The liquid has a marked tendency to build up static charge when transferred by pipelines, so it is imperative in loading and unloading to provide appropriate grounding for pipe systems and transport containers.

Storage conditions: Storage at room temperature and protect it from sunlight in cool and well ventilated places.

Eliminate all possible sources of ignition.

Do not allow temperature to exceed 50°C.

Incompatible materials: N/A

7.3. Specific end use(s)

See section 1 or exposure scenario

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Isopropanol (Nº CAS: 67-63-0):
INSHT (Spain): VLA-ED: 200 ppm (500 mg/m³) / VLA-EC: 400 ppm (1.000 mg/m³).
ACGIH(USA): TLV-TWA: 200 ppm / TLV-STEL: 400 ppm.
GKV_MAK (Austria): TWA: 200 ppm (500 mg/m³) / STEL: 800 ppm (2000 mg/m³).
Lijst Grenswaarden / Valeurs Limites(Belgium): TWA: 200 ppm (500 mg/m³) / STEL: 400 ppm (1000 mg/m³).
Arbejdstilsynet (Denmark): TWA: 200 ppm (490 mg/m³) / STEL: 400 ppm (980 mg/m³).
INRS (France): STEL: 400 ppm (980 mg/m³).
TRGS900 AGW (Germany): TWA: 200 ppm (500mg/m³) / STEL: 400 ppm (1000 mg/m³).
EüM-SzCsM (Hungary):TWA: 500 mg/m³ / STEL: 2000 mg/m³.
NAOSH (Ireland): TWA: 200 ppm / STEL: 400 ppm.
LV Nat. Standardisation and Meterological Centre (Latvia): TWA: 350 ppm / STEL: 600 ppm.
Rozporządzenie Ministra Pracy i Polityki Społecznej (Poland): TWA: 900 mg/m³ / STEL: 1200 mg/m³.
AFS 2005:17 (Sweden): NGV: 150 ppm (350 mg/m³) / KTV: 250 ppm (600 mg/m³).
NIOSH (USA): REL/TWA: 400 ppm (980 mg/m³) / REL/STEL: 500 ppm (1225 mg/m³).
OSHA (USA): PEL/TWA: 400 ppm (980 mg/m³)
EH40/2005 WELs (UK): OEL-TWA: 400 ppm (999 mg/m³) / OEL-STEL: 500 ppm (1250 mg/m³).

DNEL

CAS: 64742-49-0.

Inhalation: 447 mg/m³.

Oral: 149 mg/kg bw/día.

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Skin: 149 mg / kg bw / day.
CAS: 67-63-0.

Inhalation: 89 mg/m³.
Oral: 26 mg/m³.
Cutaneous: 319 mg/m³.

PNEC N/A

8.2 Exposure controls

Avoid product contact and gas inhalation. Contaminated clothing must be quickly wet to avoid skin irritation or risk of inflammation, and should be removed unless they are adhered to the skin.

Individual protection measures, such as personal protective equipment

Respiratory protection: Respiratory protective mask if there is possibility of gas inhalation.

Skin protection: Gloves and antistatic suit and footwear.

Eye/face protection: Safety goggles or face-shield.

Other protective equipment: Showers and eye-washers in the work area.

Specific hygiene measures: Do not eat, drink or smoke in areas where the product is handled.

Medical Conditions Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.

Environmental exposure controls: Product should not reach the environment through wastewater or sewage. Measures to take in case of accidental release can be found in Section 6 of this information note about product safety.

Product should not reach the environment through wastewater or sewage. Measures to take in case of accidental release can be found in Section 6 of this MSDS.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Aerosol.

Odour: Characteristic.

Odour threshold: N/A

Colour: N/A

pH: N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range: N/A

Flash point: N/A

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Evaporation rate: N/A
Flammability (solid, gas): Flammable.
Upper/lower flammability or explosive limits: N/A
Vapour pressure: N/A
Vapour density: N/A
Density: 0,748 g/ml
Solubility(ies): 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
Oxidising properties: N/A

9.2 Other information

N/A

SECTION 10. Stability and reactivity

10.1. Reactivity: N/A

10.2. Chemical stability: Stable under normal conditions of handling and storage.

10.3. Possibility of hazardous reactions: N/A

10.4. Conditions to avoid: Exposure to high temperatures, sparks, static electricity or flames.

10.5. Incompatible materials: Strong oxidants and strong acids.

10.6. Hazardous decomposition products: CO (O₂ deficiency), CO₂.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

The provided toxicological information results from the application of Annexes VII to XI of Regulation 1907/2006 (REACH).

Acute toxicity: CAS: 67-63-0. Rat oral LD₅₀: 5,000 mg/kg; Inhalation: low toxicidad; Rabbit dermal LD₅₀: > 5,000 mg/kg.

CAS: 64742-49-0. Rat oral LD₅₀: 5,840 mg/kg; Rat inhalation LC₅₀ (4h): 23,330 mg/m³; Rat dermal LD₅₀: > 2,920 mg/kg. CAS No.: 109-87-5. Oral LD₅₀ in rats: 6415 mg / kg; Inhalation: irritates them airways.

Skin corrosion/irritation: Causes skin irritation. CAS: 64742-49-0. Rabbit-skin: Irritant.

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CAS: 109-87-5. Irritant.

Serious eye damage/irritation: Causes serious eye irritation. CAS: 67-63-0. Irritating to eyes.

CAS: 109-87-5. Irritating to eyes.

Respiratory or skin sensitisation: N/A

Germ cell mutagenicity: N/A

Carcinogenicity: No evidence.

Product rating corresponds to the comparison of the results from the toxicological studies with the criteria set out in Regulation (EC) No 1272/2008 for CMR, categories 1A and 1B.

Reproductive toxicity: N/A

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: N/A

Aspiration hazard: N/A

SECTION 12. Ecological information

12.1. Toxicity: Toxic to aquatic life with long lasting effects.

CAS 67-63-0. Practically non-toxic.

CAS 64742-49-0. LC50 (96h) > 13.4 mg / l. NOEC (28 days): 1,534 mg / l.

12.2. Persistence and degradability:

CAS 67-63-0. Readily biodegradable.

CAS 64742-49-0. 98%-easy (28 days).

CAS 109-87-5. Readily biodegradable.

12.3. Bioaccumulative potential: There are no specific data about the product, but propellant does not present bioaccumulation or trophic food web issues. An estimated BCF (bioconcentration factor) of 74, based on a log Kow of 2.76, suggesting that the product will not bioconcentrate in aquatic organisms.

12.4. Mobility in soil:

CAS 67-63-0. Can contaminate groundwater.

CAS 109-87-5. The product is water soluble.

12.5. Results of PBT and vPvB assessment: This mixture contains no substance considered to be PBT or vPvB.

12.6. Other adverse effects: N/A

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal: According to existing provisions relating to waste management or other relevant municipal, provincial and / or national regulations. When contents are depleted continue to depress button until all gas is expelled to atmosphere.

Handling: Do not puncture or incinerate containers.

Provisions: Establishments and companies which recover, dispose, store, transport or handle waste should comply with Dir. 2008/98/EC on waste, or other local, national or community provisions.

SECTION 14. Transport information

14.1. **UN number:** UN 1950

14.2. **UN proper shipping name:**
AEROSOLS, flammable
(DANGEROUS FOR THE ENVIRONMENT)

14.3. **Danger identification number:** N/A

14.4. **Packing group**

|| **ADR/RID:** Class 2. Classification Code: 5F. Tunnel restriction code: D. Exempt for limited quantity up to 1 liters.

IATA-DGR: Class 2.1.

IMDG: Class 2.

14.5. **Environmental hazards**

ADR/RID: Dangerous for the environment.

IATA-DGR: Dangerous for the environment.

IMDG: Marine Pollutant.

14.6. **Transport in bulk in accordance with appendix II of the Marpol agreement 73/78 and the IMSBC code**
No category assigned for the IMSBC code.

14.7. **Special precautions for user**

Flammable aerosol. For containers whose maximum content is 1 l, exemptions apply to the transport of dangerous goods packed in limited quantities (ADR2001, Chapter 3.4). Sealed containers and protected against accidental opening.

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SECTION 15. Regulatory information

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

COMMISSION REGULATION (EU) No 453/2010 : REQUIREMENTS FOR THE
COMPILATION OF SAFETY DATA SHEETS

Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Regulation (EC) No 1272/2008 of the European Parliament and the Council of 16 December
2008 on classification, labeling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and
Restriction of Chemicals (REACH).

European Agreement concerning the international carriage of dangerous goods by road
(ADR).

Regulation on the international transport of dangerous goods on the railway. (RID)

International maritime code of dangerous goods. (IMDG)

International Air Transport Association (IATA) regulation pertaining to air shipment.

International Bulk Chemical Code (IMSBC Code), MARPOL 73/78.

Commission Regulation Other hazards

N/A

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16. Other information

Glossary

CAS: Chemical Abstract Service

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists.

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-term Exposure Level

REL: Recommendable Exposure Limit

PEL: Permissible Exposure Limit

INSHT: Instituto Nacional de Seguridad e Higiene en el Trabajo.

VLA-ED: Environmental limit value - daily exposure

VLA-EC: Limit environmental value - short exposure

DNEL/DMEL: Derived no-effect level / Derivation of minimal effects levels

PNEC: Predicted No Effect Concentration

LD50: Lethal Dose Medium

LC50: Lethal Concentration Medium

EC50: Effective Concentration Medium

IC50: Inhibitory Concentration Medium

BOD: Biological Oxygen Demand.

NOAEL: No observable adverse effect level

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NOEL: No observed effect level
NOAEC: No observed adverse effect concentration
NOEC: No observed effect concentration
N/A: Not applicable
|| : Changes from the last revision

Data Bases consulted

EINECS: European Inventory of Existing Commercial Substances.
TSCA: Toxic Substances Control Act, US Environmental Protection Agency.
HSDB: US National Library of Medicine.
RTECS: US Dept. of Health & Human Services.

Hazard Class-and-Category shown in the document

H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.

Purchasing companies have an obligation to ensure that their employees are properly trained on the safe handling and use of the product in accordance with the guidelines contained in this MSDS.

Furthermore, companies purchasing this product are required to inform their employees, and individuals who could manipulate or use it within their facilities, about all indications included in the MSDS, in particular those relating to the product's risks to the health and safety of people and to the environment.

The information given in this document has been compiled based on the best existing information sources, latest available knowledge and according to the current requirements on classification, packaging and labelling of hazardous substances. It does not imply the information is exhaustive or accurate in all cases. It is the user's responsibility to determine the validity of the information contained in this Material Safety Data Sheet to apply depending on the case.