

# SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC

Trade name: **Metabond CL engine cleaner**

Version: 3      Latest revision: 09. 12. 2022      Previous version: 14. 07. 2018      Page: 1/(12)

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

1.1 Product identifier:

**Metabond CL engine cleaner**

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

Relevant identified uses: cleaning agent of engine housing space for Otto, Diesel and gas engines, for gearbox and differential gears.

Uses advised against: application other than the above.

1.3 Details of the supplier of the safety data sheet:

Data of supplier:

Metabond Magyarország Kft.  
9030 Győr, Szigligeti Ede u. 5.  
Tel: +36 96 332738  
Mobile: +36 70 2719575  
www.metabond.hu

Responsible for SDS:

Metabond Magyarország Kft.  
9030 Győr, Szigligeti Ede u. 5.  
Tel: +36 96 332738  
Mobile: +36 70 2719575  
E-mail: metabond@metabond.hu  
www.metabond.hu

1.4 Emergency telephone number

Emergency telephone (on workdays: 08-16 h (CET)): +36 96 332738

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

## SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category:                      Hazard statement:

Not classified.

-

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## 2.2 Label elements

Product identification:      Trade name: **Metabond CL engine cleaner**

Hazardous components:      -

GHS Pictogram:      Not required.

Signal word:      Not required.

Hazard statement:

**Not required.**

Supplemental hazard information:

**EUH210**      Safety data sheet available on request.

Precautionary statements – General: -

Precautionary statements – Prevention:

**P273**      Avoid release to the environment.

Precautionary statements – Response: -

Precautionary statements – Storage: -

Precautionary statements – Disposal:

**P501**      Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger:      Not required.

Transport classification: see section 14.

## 2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

## SECTION 3      Composition/information on ingredients

### 3.2 Mixtures

Chemical description:      Mixture of base oils containing additives.

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Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Distillates (petroleum), solvent-dewaxed heavy paraffinic REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	Asp. Tox. 1 (Note L)	H304	max. 90
4,4'-methylene bis (dibutyldithiocarbamate) REACH Registr. Nr.: 01-2119969655-20	233-593-1	10254-57-6	Aquatic Chronic 4	H413	max. 20

\*: with exposure limit

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of a complaint, seek medical advice.

Ingestion: If swallowed, give water. **Do not** induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

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

Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

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

Not required.

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## SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

### 5.1 Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder, water fog (trained personnel only).

Unsuitable extinguishing media:

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon monoxide, carbon dioxide, various hydrocarbons and soot can be formed.

### 5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Danger of slipping on leaked out/spilled product.

### 6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil

Notify relevant authority.

### 6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be removed. Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid by pumping. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

### 6.4 Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.



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(c) Respiratory protection      Under normal conditions not required. In case of vapor formation respiratory protection with particle-filter is recommended.

(d) Thermal hazards      No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

## SECTION 9      Physical and chemical properties

### 9.1      Information on basic physical and chemical properties

- |  |                                   |
|--|-----------------------------------|
| a) Physical state:   | liquid                            |
| b) Colour:   | brownish                          |
| c) Odour:  | characteristic                    |
| d) Melting point/freezing point (Pour point) (ISO 3016):                 | not available                     |
| e) Boiling point or initial boiling point and boiling range (DIN 51356): | not available                     |
| f) Flammability:   | combustible                       |
| g) Lower and upper explosion limit:                                      | not explosive                     |
| h) Flash point (COC) (EN ISO 2592):                                      | typ. 200°C                        |
| i) Auto-ignition temperature:  | not available                     |
| j) Decomposition temperature:  | not available                     |
| k) pH:   | not applicable                    |
| l) Kinematic viscosity (EN ISO 3104)<br>at 40°C:                         | typ. ca. 30 mm <sup>2</sup> /s    |
| at 100°C:  | not available                     |
| m) Solubility<br>Solubility in water:                                    | practically insoluble in water    |
| Solubility in other solvents:  | gasoline, kerosene, toluene, etc. |
| n) Partition coefficient n-octanol/water (log value):                    | not available                     |
| o) Vapour pressure at 20°C:  | negligible                        |
| p) Density and/or relative density at 15°C (EN ISO 12185):               | not available                     |
| q) Relative vapour density:  | not available                     |
| r) Particle characteristics:   | not available                     |

9.2      Other information  
          not available



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## SECTION 12 Ecological information

### 12.1 Toxicity

No data for the product.

Components:

*Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)*

Fish (Pimephales promelas):	LC <sub>50</sub>	> 100	mg/L
Fish (Oncorhynchus mykiss):	NOEC	1 000	mg/L
Daphnia (Daphnia magna):	EC <sub>50</sub>	> 10 000	mg/L
Daphnia (Daphnia magna):	NOEC	10	mg/L
Algae (Pseudokirchneriella subcapitata):	NOEC	> 100	mg/L

*4,4'-methylene bis (dibutyldithiocarbamate) (CAS: 10254-57-6)*

Algae:	EC <sub>50</sub>	> 0.0325	mg/l	72 h
Daphnia:	EC <sub>50</sub>	> 0.052	mg/l	48 h
Microorganisms:	EC <sub>50</sub>	> 1 000	mg/l	3 h
Fish:	LC <sub>50</sub>	> 0.06	mg/l	96 h
Algae:	NOEC	0.0325	mg/l	72 h
Daphnia:	NOEC	0.052	mg/l	48 h
Fish:	NOEC	0.06	mg/l	96 h
Microorganisms:	NOEC	1 000	mg/l	3 h
Daphnia:	NOEC	0.247	mg/l	21 days

### 12.2 Persistence and degradability

Biodegradability:

Hydrocarbons are inherently degradable.

*4,4'-methylene bis (dibutyldithiocarbamate)*  
(CAS: 10254-57-6):

21% (28 days, OECD 301B)

*Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)*

31% (28 days, OECD 301 F)

### 12.3 Bioaccumulative potential

No data available.

*4,4'-methylene bis (dibutyldithiocarbamate)*  
(CAS: 10254-57-6):

Log Pow: 8,42

BCF: 10,86 (low potential)

### 12.4 Mobility in soil

Absorbs in soil.

Mobility in water:

Floats on water.

### 12.5 Results of PBT and vPvB assessment

Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.

### 12.6 Endocrine disrupting properties

The mixture does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.

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## 12.7 Other adverse effects

Heavy metal content:	None.
PCT, PCB and other chlorinated hydrocarbons:	None.
Environmental effects:	Large spills may be hazardous to the environment.
Water hazard class (German):	WGK 1 (Classification by AwSV)

## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

#### Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 13 02 05\*

Mineral-based non-chlorinated engine, gear and lubricating oils.

Recommended waste treatment method: incineration

Disposal must be in compliance with national and local regulations.

#### Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10\*

Packaging containing residues of or contaminated by dangerous substances.

#### Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

## SECTION 14 Transport information

#### Land transport:

Road/ Railway	ADR/RID:	Not classified.
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14.1.	UN number or ID number:	Not classified.
14.2.	UN proper shipping name:	Not classified.
14.3.	Transport hazard class(es):	Not classified.

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14.4. Packing group:	Not classified.
14.5. Environmental hazards:	Not classified.
14.6. Special precautions for user:	Not classified.
Waterways:	
Inland waterways/ Sea transport    ADN/IMDG:	Not apply to the product.
Air transport:    ICAO / IATA:	Not apply to the product.

## SECTION 15    Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.  
Seveso category: not classified.
- 15.2 Chemical safety assessment.  
not available

## SECTION 16    Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)  
Not classified.

*The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:*

H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.
Asp. Tox. 1	Aspiration hazard Category 1
Aquatic Chronic 4	Hazardous to the aquatic environment, Chronic Category 4

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## Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec <sub>x</sub>	Effective Concentration x%
ErC <sub>50</sub>	EC <sub>50</sub> in terms of reduction of growth rate
Ed <sub>x</sub>	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC <sub>x</sub>	Lethal Concentration x%
LD <sub>x</sub>	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern

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UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

## Revision Indicators:

Section	Subject of change	Date	Version
1-16	Revision modification according to 2020/878/EU Full revision due to composition change	09. 12. 2022	3