

# SAFETY DATA SHEET

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

Trade name: **METABOND HI-TECH EXTREME GREASE**

Version: 2      Latest revision: 15. 12. 2022      Previous version: 16. 09. 2021      Page: 1/(11)

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

1.1 Product identifier:

**METABOND HI-TECH EXTREME GREASE**

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

Relevant identified uses: Lubricating grease.

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 (ETT SZ 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 HI-TECH EXTREME GREASE**

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:

**P102**                          Keep out of reach of children.

Precautionary statements – Prevention:

-

Precautionary statements – Response:

-

Precautionary statements – Storage:

-

Precautionary statements – Disposal:

-

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.

The mixture does not contain any substance with endocrine disrupting properties.

## 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)
Residual oils (petroleum), hydrotreated* REACH Registr. Nr.: 01-2119489287-22	265-160-8	64742-57-0	- (Note L)	-	25 - <50
Calcium carbonate * REACH Registr. Nr.: 01-2119486795-18	207-439-9	471-34-1	-	-	5 - <10

\* 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. Do not use solvents or thinners. In case of persistent irritation, get medical attention.

Eye contact: In case of contact, immediately flush eyes with plenty of water for 15 minutes. In case of a complaint, seek medical advice.

Ingestion: If swallowed, rinse the mouth with water. **Do not** induce vomiting. Get medical attention.

Protection of first-aid person: The usual precautions.

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

Contact may cause irritation, redness, itching.

Skin: may cause irritation.

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

## SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

### 5.1 Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam, carbon dioxide, dry chemical powder, water spray.

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, nitrogen oxides, 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:

Cool containers and surroundings exposed to fire with water spray.

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. Recover free liquid by pumping. Contain spilled liquid with sand, earth, diatomite, vermiculite. Dispose of according to local regulations.

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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.

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

Keep general measures applied for normal operations with lubricants.

Adequate ventilation required.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.

Keep containers closed when not in use.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: not known

### 7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids.

Store in dry, well-ventilated place in original, closed containers.

Keep away from radiant heat, open flame and strong oxidizing agents.

Storage temperature: no data

### 7.3 Specific end use(s)

Lubricating grease.

## SECTION 8 Exposure controls / personal protection

### 8.1 Control parameters:

*Calcium carbonate*  
(CAS: 1317-65-3):

WEL (Great Britain)

Inhalable dust:

Short-term value: - mg/m<sup>3</sup>

Long-term value: 10 mg/m<sup>3</sup>

Respirable:

Long-term value: 4 mg/m<sup>3</sup>

***Mineral oil mist:***

TWA: **5 mg/m<sup>3</sup>**; STEL: 10 mg/m<sup>3</sup>, for oil mist, vapour excluded (ACGIH).

Method of testing, recommended: NIOSH 5026

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## 8.2 Exposure controls

Engineering control measures:

Adequate ventilation or local exhaust.

Personal protection:

- |                            |  |
|----------------------------|--|
| (a) Eye/face protection    | Protective goggles, if splashes may occur (EN 166).  |
| (b) Skin protection        |  |
| (i) Hand protection        | Oil resistant gloves (EN 374).<br>e.g. neoprene, nitrile rubber, butyl rubber, Layer thickness: 0.4 mm.<br>Note: Manufacturer's directions for use and the conditions of application should be observed. |
| (ii) Other                 | Protective clothing (long-sleeved T-shirt, chemical-resistant footwear).   |
| (c) Respiratory protection | Under normal conditions not required. In case inadequate ventilation respiratory protection with particle-filter is recommended (P2, P3) (EN 143).   |
| (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, grease    |
| b) Colour:   | black / dark grey |
| c) Odour:  | hydrocarbon       |
| d) Melting point/freezing point (Pour point):                | not available     |
| e) Boiling point or initial boiling point and boiling range: | > 280°C           |
| f) Flammability:   | combustible       |
| g) Lower and upper explosion limit:                          | not available     |
| h) Flash point:  | > 250°C           |
| i) Auto-ignition temperature:                                | > 300°C           |
| j) Decomposition temperature:                                | not available     |
| k) pH:   | not applicable    |
| l) Kinematic viscosity:                                      | viscous           |

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m) Solubility	
Solubility in water:	practically insoluble in water
Solubility in other solvents:	not available
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure at 20°C:	<0.01 kPa
p) Density and/or relative density:	1.05
q) Relative vapour density:	not available
r) Particle characteristics:	not available

## 9.2 Other information

VOC:	0 %
NLGI:	1

## SECTION 10      Stability and reactivity

10.1 Reactivity:	Dangerous reactivity not known.
10.2 Chemical stability:	No decomposition if stored and handled properly.
10.3 Possibility of hazardous reactions:	Not known.
10.4 Conditions to avoid:	Direct heat or ignition sources, high temperature.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

## 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.

Components:

Calcium carbonate (CAS: 471-34-1):

Oral:	LD <sub>50</sub> (rat)	6 450 mg/kg	
Dermal:	LD <sub>50</sub> (rat)	> 2 000 mg/kg	
Inhalation:	LC <sub>50</sub> (rat)	> 3 mg/L	4 h

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
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.

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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:	Based on available data, the classification criteria are not met.
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

The mixture does not contain any substance with endocrine disrupting properties.

## SECTION 12 Ecological information

12.1 Toxicity	No data for the product.
12.2 Persistence and degradability	No data for the product.
Biodegradability:	No data for the product.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
Mobility in water:	Floats on water.
12.5 Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances,
12.6 Endocrine disrupting properties	The mixture does not contain any substance with endocrine disrupting properties.
12.7 Other adverse effects	
Environmental effects:	Large spills may be hazardous to the environment.
Water hazard class (German):	No data available.

## 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: 12 01 12\*

Spent waxes and fats.

Recommended waste treatment method: incineration

Disposal must be in compliance with national and local regulations.



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## 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.:*

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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
Ecx	Effective Concentration x%
ErC50	EC50 in terms of reduction of growth rate
Edx	Effective Dose x%

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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
LCx	Lethal Concentration x%
LDx	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
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
7.	Handling and storage	15. 12. 2022	2
11.	Toxicological information		
12.	Ecological information		
	Other corrections		