

SAFETY DATA SHEET

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

Trade name: **Metabond Clear Windshield Care Kit**

Version: 2 Latest revision: 09. 12. 2022 Previous version: 13. 03. 2019. Page: 1/(12)

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

1.1 Product identifier:

Metabond Clear Windshield Care Kit

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

Relevant identified uses: protective coating on windshields.

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:

Asp. Tox. 1

H304

May be fatal if swallowed and enters airways.

Skin Irrit. 2

H315

Causes skin irritation.

Eye Irrit. 2

H319

Causes serious eye irritation.

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2.2 Label elements

Product identification: Trade name: **Metabond Clear Windshield Care Kit**

Hazardous components: Hydrocarbons, C12- C16, isoalkanes, cyclics (<2 % aromatics);
Hydrocarbons, C11- C13, isoalkanes, (<2 % aromatics)

GHS Pictogram:



Signal word: **Danger**

Hazard statement:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Supplemental hazard information:

-

Precautionary statements – General:

P101 If medical advice is needed, have product container or label at hand.

Precautionary statements – Prevention:

P261 Avoid breathing mist, vapours, spray.

P264 Wash the affected area of skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection.

Precautionary statements – Response:

P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor/. DO NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements – Storage:

P405 Store locked up.

Precautionary statements – Disposal:

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

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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.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Hydrocarbons, C12- C16, isoalkanes, cyclics (<2 % aromatics) REACH Registr. Nr.: 01-2119456377-30	927-676-8	-	Asp. Tox. 1	H304	65 - 70
Hydrocarbons, C11- C13, isoalkanes, (<2 % aromatics) REACH Registr. Nr.: 01-2119456810-40	920-901-0	-	Asp. Tox. 1	H304	25 - 30
1H,1H,2H,2H-Perfluorodecyltrichlorosilane REACH Registr. Nr.: no data	-	78560-44-8	Skin Corr. 1B Eye Dam. 1	H314 H318	<1
Silicon tetrachloride* REACH Registr. Nr.: no data	233-054-0	10026-04-7	Acute Tox. 3 Acute Tox. 3 Skin Corr. 1A Eye Dam. 1 STOT SE 3	H301 H331 H314 H318 H335	<1

*ATE_{oral}: 100 mg/kg; ATE_{inhalation}: 3 mg/l

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.

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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, if the injured person is conscious. **Do not** induce vomiting. Get medical attention. In case of spontaneous vomiting, the head should be turned down.

Protection of first-aid person: No individual specifications.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Not required. Treat symptomatically.

SECTION 5 Fire-fighting measures

Fire hazards:

Combustible.

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, dry chemical powder, water spray, alcohol resistant foam.

Unsuitable extinguishing media:

Full water jet. (Can spread the fire)

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.

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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Keep unnecessary personnel away.

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

In case of large spills: Stop leak if you can do so without risk Recover free liquid by pumping. Contain spilled liquid with vermiculite, sand, earth. Dispose of according to local regulations. Clean up with large amount of water the contaminated area.

In case of small spills: Wipe up with absorbent material (eg. cloth, fleece).

The recovered product should be collected in the appropriate container and never reused.

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.

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

Keep away from radiant heat and open flame.

Danger of slipping on leaked out/spilled product.

Adequate ventilation or local exhaust must be provided.

Keep unused containers closed.

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

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

Storage temperature: no data.

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7.3 Specific end use(s)
Protective coating on windshields.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Mineral oil mist: TWA: **5 mg/m³**; STEL: 10 mg/m³, for oil mist, vapour excluded (ACGIH).

Method of testing, recommended: NIOSH 5026

8.2 Exposure controls

Engineering control measures:

Not required.

Personal protection:

- | | |
|----------------------------|--|
| (a) Eye/face protection | Protective goggles, if splashes may occur (EN 166). |
| (b) Skin protection | |
| (i) Hand protection | Protective gloves (EN 374)
Material: neoprene, nitrile
Note: Manufacturer's directions for use and the conditions of application should be observed. |
| (ii) Other | Protective clothing (oil resistant). |
| (c) Respiratory protection | Under normal conditions not required. In case of vapor formation respiratory protection with particle-filter is recommended (filter type A2/P2 according to EN 14387). |
| (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: | colourless |
| c) Odour: | hydrocarbon |
| d) Melting point/freezing point (Pour point): | -77°C (-106.6°F) |

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- | | |
|--|--|
| e) Boiling point or initial boiling point and boiling range: | 218 - 257°C (424.4 – 494.6°F) |
| f) Flammability: | combustible |
| g) Lower and upper explosion limit: | Product is not explosive. However, formation of explosive air/steam mixtures is possible
0,6 Vol %, / 4,9 Vol % |
| h) Flash point: | > 94°C (> 201.2°F) |
| i) Auto-ignition temperature: | > 200°C (> 392°F) |
| j) Decomposition temperature: | not available |
| k) pH: | not applicable |
| l) Kinematic viscosity: | not available |
| m) Solubility | |
| Solubility in water: | not available |
| Solubility in other solvents: | not available |
| n) Partition coefficient n-octanol/water (log value): | not available |
| o) Vapour pressure at 20°C: | not available |
| p) Density and/or relative density at 20°C | 0.791 (Water=1) (15.6°C (60.08°F)) |
| q) Relative vapour density: | not available |
| r) Particle characteristics: | not available |

9.2 Other information

VOC: 99.25 %

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 sunlight, heat, spark, open flame. |
| 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.

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Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
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:	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:	May be fatal if swallowed and enters airways.

11.2 Information on other hazards

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

SECTION 12 Ecological information

12.1 Toxicity	No data.
12.2 Persistence and degradability	
Biodegradability:	Hydrocarbons are inherently degradable.
12.3 Bioaccumulative potential	No data available.
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.
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 3(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.

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Waste Identification Code: 20 01 13*

Solvents

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.

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.

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.

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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)

Asp. Tox. 1	H304	calculated method
Skin Irrit. 2	H315	calculated method
Eye Irrit. 2	H319	calculated method

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

H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
Acute Tox. 3	Acute toxicity Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Skin Corr. 1B, 1A	Skin corrosion/irritation Category 1B, 1A
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Acute Tox. 3	Acute toxicity Category 3
STOT SE 3	Specific target organ toxicity — single exposure Category 3

Legend:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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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 _x	Effective Concentration x%
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate
Ed _x	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 _x	Lethal Concentration x%
LD _x	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

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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	2