

MATERIAL SAFETY DATA SHEET

according to OSHA HCS

Document: MSDS_LEGABRIL_US_V1.0 .docx

Revision: 2014-09-26

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

1.1 Product identifier

Trade name(s): **Legabril Diamond**

Ref.: **08052307**

Index-No.: -

CAS-No.: -

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

Polishing paste for dental materials.

Only for professional, industrial use – not for public, non-professional use. Rx only!

1.3 Details of the supplier of the safety data sheet

Cendres+Métaux SA, Rue de Boujean 122, CH-2501 Biel/Bienne

Tel. +41 (0) 58 360 2211 Fax +41 (0) 58 360 2205 <mailto:info@cmsa.ch>

1.4 Emergency telephone number

National emergency phone: 145 (24 h, Switzerland) Swiss Toxicological Information Centre

International emergency phone: +41 44 251 5151 (24h, from outside Switzerland)

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Aspiration hazard (Category 1), H304

Acute aquatic toxicity (Category 2), H401

2.2 Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H304

May be fatal if swallowed and enters airways.

H401

Toxic to aquatic life.

Precautionary statement(s)

P273

Avoid release to the environment.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331

Do NOT induce vomiting.

P405

Store locked up.

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazard symbols



Xn

harmful

R- and S-phrases

R65

May cause lung damage if swallowed.

Hazardous substances

Petroleum distillate

2.3 Other hazards


No hazardous reactions known when used according to the instructions for use.

3. Composition/information on ingredients

Chemical characterization of substance/mixture

Paste based on alumina, diamond and white spirit (free of aromatics).

Hazardous ingredients

Chemical name	Formula	Concentration [% by weight]	CAS-No.	H phrases	GHS Symbols
Petroleum distillate		10-30	64742-47-8	H304, H401	

4. First-aid measures

4.1 Description of first aid measures

Inhalation:

Eye contact: **Rinse the opened eye immediately with running water for several minutes, then contact doctor.**

Skin contact: **Wash immediately with plenty of soap and water.**

Ingestion: **Never try to induce vomiting. Contact doctor.**

4.2 Most important symptoms and effects, both acute and delayed

Skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Contact doctor upon continuous irritation.

5. Firefighting measures

5.1 Extinguishing media

CO₂, powder and foam are appropriate. The extinguishing medium should be adapted to the surroundings.

5.2 Special hazards arising from the substance or mixture

The product is combustible.

5.3 Advice for firefighters

No special equipment needed.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take up with liquid binding material. Take care of oil slick.

6.2 Environmental precautions

No special measures needed.

6.3 Methods and material for containment and cleaning up

No special measures needed.

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Keep away from open fire and ignition sources. Do not smoke.

Avoid skin contact. Care for a sufficient ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep in container tightly closed in a cool and dry place with sufficient ventilation.

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure control and personal protection

8.1 Control parameters

Substance	CAS-No.	Value	Control parameters	Basis
Petroleum distillate	64742-47-8	TWA	500 ppm 2000 mg/m ³	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
	Remarks	The value in mg/m ³ is approximate.		
		TWA	200 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	400 ppm 1600 mg/m ³	USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000

8.2 Exposure controls

Equipment for individual protection

Respiratory protection:

Eye protection: **Safety goggles**



Hand protection: **Gloves**



Skin protection: **Wear suitable laboratory coat.**

Specific hygiene measures

Wash hands carefully with soap and water. Observe the usual safety measures applied in laboratories. Do not breathe vapour.

Environmental exposure controls

No special measures. See also §13 for disposal.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties (appearance)

Physical state: **Pasty.**

Colour: **White or light grey.**

Odour: **Untypical.**

9.2 Other information(health, safety and environment related data)

Flash point:

Ignition temperature:

Fire promoting properties:

Explosion hazard:

Vapour pressure:

Bulk density: **Ca. 2 g/cm³**

Solubility:

pH-value:

Miscibility with water: **Insoluble in water.**

Viscosity:

10. Stability and reactivity

10.1 Reactivity

The product does not reactive with other substances when stored and used according to the instructions for use.

10.2 Chemical stability

The product is stable when stored and used according to the instructions for use.

10.3 Possibility of hazardous reactions

No special hazards to expect when stored and used according to the instructions for use.

10.4 Conditions to avoid

Avoid heating. Keep away from ignition sources.

10.5 Incompatible materials

No special incompatibilities know.

10.6 Hazardous decomposition products

Forms inflammable vapours when heated.

11. Toxicological information

11.1 Information on toxicological effects

For components:

Name: **Petroleum distillate**

CAS-No.: **64742-47-8**

Acute toxicity

LD50 (oral, rat): > 5,000 mg/kg

(OECD Test Guideline 401)

LC50 (inhalation, rat, 4 h): > 5.28 mg/l

(OECD Test Guideline 403)

LD50 (dermal, rabbit): > 2,000 mg/kg

<p>Skin corrosion/irritation No data available</p> <p>Serious eye damage/eye irritation No data available</p> <p>Respiratory or skin sensitisation No data available</p> <p>Germ cell mutagenicity No data available</p> <p>Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans. NTP: Not identified as a known or anticipated carcinogen by NTP. OSHA: Not identified as a carcinogen or potential carcinogen by OSHA.</p> <p>Reproductive toxicity No data available</p> <p>Specific target organ toxicity - single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard May be fatal if swallowed and enters airways.</p> <p>For product: Effects of acute exposure Primary skin irritation effects: Repeated exposure may cause skin dryness or cracking. Primary eye and respiratory irritation effects: Slightly irritating. Sensitizing: No sensitizing potential known.</p> <p>Sub acute to chronicle toxicity / experience on humans May cause lung damage if swallowed.</p> <p>Additional information None.</p>	
<p>12. Ecological information</p> <p>12.1 Toxicity For components: Name: Petroleum distillate CAS-No.: 64742-47-8 LC50 (fish, 96 h): 2.6 mg/L</p> <p>For product: No data available.</p> <p>12.2 Persistence and degradability No data available.</p> <p>12.3 Bioaccumulative potential No data available.</p> <p>12.4 Mobility in soil No data available.</p> <p>12.5 Results of PBT and vPvB assessment No data available.</p> <p>12.6 Other adverse effects No data available.</p>	

13. Disposal considerations

13.1 Waste treatment methods

Product

Recommendation: Observe local waste disposal regulation.

Used package

Recommendation: Observe local waste disposal regulation.

Recommended cleaning agent: No special cleaning needed.

14. Transport information

The product is not classified as dangerous goods according to transport regulations.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. Regulatory information

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

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards.

15.2 Chemical safety assessment

No data available.

16. Other information

Full text of Statements referred to under sections 2 and 3.

H304	May be fatal if swallowed and enters airways.
H401	Toxic to aquatic life.
P273	Avoid release to the environment.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.
R65	May cause lung damage if swallowed.

HMIS Rating
Health hazard: 0
Chronic health hazard:
Flammability: 1
Physical Hazard: 0

NFPA Rating
Health hazard: 0
Fire hazard: 1
Reactivity hazard: 0

This safety data sheet should be used in conjunction with technical sheets. It does not replace them and it is not thought as a quality guarantee of product characteristics. No contractual relationship is stipulated. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. This does not in any way excuse the user from knowing all of the regulations covering his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil obligations regarding hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring the existence of legal obligations, other than those mentioned, for which he is solely responsible.

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Changes made since last edition
Completely new edition.