

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 1 of 7

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

1.1. Product identifier

Protective oil for pliers and instruments

Further trade names

Article No.: 055-201-00

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

Use of the substance/mixture

Health services.

1.3. Details of the supplier of the safety data sheet

Company name:	DENTAURUM GmbH & Co. KG	
Street:	Turnstr. 31	
Place:	D-75228 Ispringen	
Telephone:	+49 7231 803 0	Telefax: +49 7231 803 295
e-mail:	info@dentaurum.de	
Internet:	www.dentaurum.com	

Further Information

Emergency telephone:
 07:00 - 16:15 (Mo - Do), 07:00 - 13:15 (Fr) +49 7231 803 213
 16:15 - 18:00 (Mo - Do), 13:15 - 18:00 (Fr) +49 7231 803 0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
 Aspiration hazard: Asp. Tox. 1
 Hazard Statements:
 May be fatal if swallowed and enters airways.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Mineral Oil

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.

Additional advice on labelling

As a medical device that is invasive or used in direct physical contact with the human body, the product is exempted from classification and labeling according to the Directive EC 1272/2008 (CLP) (Art. 1.5.d). Please see the indications in further chapters.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 2 of 7

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization
medical white oil

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
8042-47-5	Mineral Oil			100 %
	232-455-8			
	Asp. Tox. 1; H304			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Do NOT induce vomiting. Call a physician immediately.

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

SECTION 11: Toxicological information

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

Treat symptomatically.

Caution if victim vomits: Risk of aspiration!

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Extinguishing powder. Carbon dioxide. Sand.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 3 of 7

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment. Aspiration hazard Avoid contact with eyes and skin.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Protect against direct sunlight. Keep locked up.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Health services.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls



Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Thorough skin-cleansing after handling the product. Apply skin care products after work.

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wear suitable gloves.

Recommendation:

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 4 of 7

Dermatril 740 Single-use gloves. NBR (Nitrile rubber). 0,11 mm
penetration time (maximum wearing period): 10 min.
REF 162-907-00 (7/S), REF 162-908-00 (8/M), REF 162-909-00 (9/L)

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	colourless
Odour:	odourless

Test method

pH-Value:	not determined
Changes in the physical state	
Melting point:	not determined
Initial boiling point and boiling range:	300-500 °C
Pour point:	-6 °C
Flash point:	> 165 °C DIN ISO 2592

Flammability

Solid:	not applicable
Gas:	not applicable

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
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Density (at 15 °C):	0,848 g/cm ³
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Water solubility:	insoluble
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Solubility in other solvents

not determined

Partition coefficient:	not determined
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Viscosity / kinematic: (at 40 °C)	15-17 mm ² /s
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Vapour density:	not determined
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Evaporation rate:	not determined
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9.2. Other information

Solid content:	not determined
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SECTION 10: Stability and reactivity

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 5 of 7

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

Remove all sources of ignition.

10.5. Incompatible materials

Oxidising substances

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
8042-47-5	Mineral Oil				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
	inhalation (4 h) aerosol	LC50 > 5 mg/l	Rat		

Further information

Toxicological data are not available.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
8042-47-5	Mineral Oil					
	Acute fish toxicity	LC50 >1000 mg/l	96 h	Leuciscus idus (golden orfe)	OECD 203	
	Acute algae toxicity	ErC50 >=100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202	

12.2. Persistence and degradability

Biodegradable.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 6 of 7

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
8042-47-5	Mineral Oil			
	Biodegradation	31,3 %	28	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D
	Biodegradable.			

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Avoid release to the environment. Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

Contaminated packaging

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

Other applicable information

Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Protective oil for pliers and instruments

Revision date: 22.05.2019

Product code: 055-201

Page 7 of 7

Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,6,7,8,9,10,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.