

Safety Data Sheet

according to Regulation (EC) No 1907/2006

SM-Isofit

Print date: 16.12.2016

Product code: 635

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

SM-Isofit

Further trade names

Article No.: 260-324-01

CAS No: 8042-47-5

EC No: 232-455-8

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 803 184

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+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

Chemical characterization

Mixture of purified, liquid, saturated hydrocarbons

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
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

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Call a physician immediately.

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

gastro-intestinal ailment. Pneumonia

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂)

Foam.

Extinguishing powder

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

Combustible.

Vapours are heavier than air and will spread at floor level.

Keep away from heat. Formation of explosible dust/air mixtures

In case of fire may be liberated: Do not breathe gas/vapour.

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.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.
Do not breathe vapour/aerosol. Evacuate area.

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

See information supplied by the manufacturer.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

Change contaminated clothing.
Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

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.

Eye/face protection

Wear eye/face protection.

Hand protection

Recommendation:

Vollkontakt z. B.: Dermatril (Fa. KCL)
Suitable material: NBR (Nitrile rubber)
Thickness of glove material: 0,11 mm
penetration time (maximum wearing period): > 480 min

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Spritzkontakt z. B.: Dermatril (Fa. KCL)
 Suitable material: NBR (Nitrile rubber)
 Thickness of glove material: 0,11 mm
 penetration time (maximum wearing period): > 480 min

like: DIN EN 374

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.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.
 Use the following filter types for cleaning waste gases: A

Environmental exposure controls

Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless

Test method

pH-Value: No data available

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: 300 °C
 Pour point: approx. -15 °C
 Flash point: > 180 °C

Flammability

Solid: No data available
 Gas: No data available

Explosive properties

The product is not: explosive

Lower explosion limits: No data available
 Upper explosion limits: No data available
 Ignition temperature: > 300 °C

Auto-ignition temperature

Solid: 325-355 °C
 Gas: not applicable

Decomposition temperature: > 350 °C

Oxidizing properties

Not oxidizing.

Vapour pressure: 0,0001 hPa
 (at 20 °C)

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Density (at 20 °C):	0,85 g/cm ³
Water solubility: (at 20 °C)	practically insoluble
Solubility in other solvents	
not determined	
Partition coefficient:	not applicable
Viscosity / dynamic: (at 20 °C)	30-40 mPa·s
Viscosity / kinematic: (at 40 °C)	approx. 16 mm ² /s
Vapour density:	No data available
Evaporation rate:	No data available

9.2. Other information

Solid content: not determined

Odour threshold: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Keep away from heat. Formation of explosible dust/air mixtures

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Violent reaction with: Oxidizing agents, strong.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Irritation and corrosivity

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

Sensitising effects

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

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Carcinogenic/mutagenic/toxic effects for reproduction

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.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
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

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

No information available.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

Avoid release to the environment.

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.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

14.6. Special precautions for user

No information available.

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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****National regulatory information**

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

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)