

Material Safety Data Sheet

according to Regulation (EC) 1907/2006

Product name : MD 555 cleaner Special detergent for suction systems
Revision : 13.07.2009 Version : 4.0.0
Print date : 05.01.2010

01. Identification of the substance/preparation and of the company/undertaking

Product name : Dürr System-Hygiene MD 555 cleaner Special detergent for suction systems

Use of the substance / preparation : MD 555 is a non-foaming special cleaner for dental suction systems including drainage lines.

Manufacturer/Supplier : orochemie GmbH + Co. KG

Street/P.O.Box : Max-Planck-Straße 27

Country code/Postal code/Town/City : 70806 Kornwestheim

Telephone : +49 7154 1308-0

Telefax : +49 7154 1308-40

Distributor : DÜRR DENTAL AG, Postfach 1264, D-74302 Bietigheim-Bissingen
Phone No.: +49 7142 705-0, Telefax No.: +49 7142 61365
in Great Britain:
DÜRR DENTAL [Products] UK Ltd., 14 Linnell Way - Telford Way
Industrial Estate, GB-Kettering Northants NN16 8PS
Phone No.: +44 1536 526740, Telefax No.: +44 1536 526749

Emergency information : +49 7154 1308-0

02. Hazards identification

Hazard designation
Irritating to eyes.
Classification : Xi ; R 36

03. Composition/information on ingredients

Chemical characterization

MD 555 contains organic acids, foam-free surfactants, dyes and auxiliary agents in aqueous solution.

Hazardous components

CITRIC ACID ; EC-No. : 201-069-1; CAS-No. : 77-92-9

Percentage : 40 - 50 %

Classification : Xi ; R 36

For the wording of the listed risk phrases refer to section 16.

04. First-aid measures

General

Immediately remove all contaminated clothing.

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush with plenty of water.

After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

After ingestion

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately.

05. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide. Extinguishing powder. Water haze. Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

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None known.

Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

06. Accidental release measures

Personal precautions

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions

Prevent from flowing into surface water/ground water.

Methods for cleaning up/collecting

Take up with a liquid absorbing material and proceed according to the waste disposal regulations.

Additional information

Remove according to regulations.

07. Handling and storage

Information for safe handling

Containers to be opened and handled with care. Make sure that ventilation is adequate.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Requirements to be met by storerooms and containers

Keep only in the original container. Keep in a cool place. Do not store in temperatures below 5 °C.

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls/personal protection

Additional information about engineering measures

No particular measures required.

Personal protective equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Use appropriate skin protection cream before work. Avoid contact with skin and eyes.

Respiratory protection

Provide for good ventilation.

Hand protection

Short-term exposure (Level 2: < 30 min): disposable gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.1 mm.

Long-term exposure (Level 6: < 480 min): protective gloves to EN374 category III, e.g. nitrile rubber, material thickness 0.7 mm.

Eye protection

Use tightly fitting safety glasses.

Body protection

No particular measures required.

09. Physical and chemical properties

Image

Form : Liquid.
Colour : Clear. Light red.
Odour : Odourless.

Relevant safety data

Melting point / range :	(1013 hPa)	no data available
Boiling point / range :	(1013 hPa)	ca. 100 °C
Flash point :		not applicable
Ignition temperature :		not applicable
Lower explosion limit :		not applicable
Upper explosion limit :		not applicable

DIN 51755

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Density :	(20 °C)	1,2 - 1,24	g/cm ³
Solubility in water :	(20 °C)	100	% b.w.
pH value :	(20 °C / 100 g/l)	1,5 - 2,5	

10. Stability and reactivity

Conditions to avoid

None, if handled according to order.

Materials to avoid

None known.

Hazardous decomposition products

None known.

11. Toxicological information

Toxicological tests

LD50/LC50 values that are relevant for classification

No data available.

Primary irritant effect

No data available.

Sensitization

None known.

Experience on practice

Eye contact: irritation.

Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Details on elimination (persistence / degradability)

Abiotoxic elimination

No data available.

Biological degradation / elimination

All active agents are biodegradable at the dilution rates arising in the sewage system.

Fate in environmental compartments

There are no data available on the preparation itself.

Ecotoxicological effects

Performance in sewage-treatment plants

In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected.

13. Disposal considerations

Product

Concentrate/larger quantities: EWC 20 01 14 acids. Disposal in conformity with authority regulations.

Contaminated packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

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Class : -

15. Regulatory information

Classification according to EC directives

Danger symbol and danger designation



Xi ; Irritant

R-phrases

36 Irritating to eyes.

S-phrases

37 Wear suitable gloves.

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

16. Other information

Processing instructions / technical data sheets

Please observe the label/directions for use!

Further information

R-Phrases of components

36 Irritating to eyes.

Contact

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
