

Safety Data Sheet

according to GHS

Trade name : HD 440 Lotion
Revision : 31.07.2019
Print date : 31.07.2019

Version : 1.0.0

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

1.1 Product identifier

HD 440 Lotion

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

Relevant identified uses

HD 440 protects and cares for over stressed and sensitive skin.

Product Categories [PC]

PC39 - PC 39 - Cosmetics, personal care products

Uses advised against

None, if handled according to order.

Remark

The product is intended for professional use.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

orochemie GmbH + Co. KG

Street : Max-Planck-Straße 27

Postal code/city : 70806 Kornwestheim

Telephone : +49 7154 1308-0

Telefax : +49 7154 1308-40

Information contact : DÜRR DENTAL SE, Höpfigheimer Str. 17, 74321 Bietigheim-Bissingen, Germany

Tel: +49 7142 705-0, Fax: +49 7142 705-500, info@duerrdental.com

in Australia:

DÜRR DENTAL SE, PO Box 2067, Woonona East New South Wales 2517, Australia,

Louis Manera +61 (0)412 95 95 25

Importer/Distributor:

Ivoclar Vivadent Ltd, PO Box 303011, North Harbour, Auckland, 0751.

Phone +64 9 914 9999 Fax+64 9 914 9990

1.4 Emergency telephone number

NZ: National Poison Centre (New Zealand) 0800 764 766 Poisons Hotline (24 hours/7days)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

There is no labelling required according to GHS

Classification according to GHS

None

Classification procedure

Cosmetics

2.2 Label elements

Labelling according to GHS

Special rules for supplemental label elements for certain mixtures

EUH210

Safety data sheet available on request.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

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3.2 Mixtures

Description

HD 440 is an oil-in-water (O/W) emulsion. HD 440 contains special oils, hamamelis extract, allantoin, emulsifiers, fragrances and auxiliary agents in aqueous solution.

Hazardous ingredients

FATTY ALCOHOL ETHOXYLATE ; REACH registration No. : - ; EC No. : 500-213-3; CAS No. : 68439-50-9

Weight fraction : $\geq 3 - < 5 \%$

Classification : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Aquatic Chronic 3 ; H412

WHITE MINERAL OIL ; REACH registration No. : 01-2119487078-27 ; EC No. : 232-455-8; CAS No. : 8042-47-5

Weight fraction : $\geq 1 - < 3 \%$

Classification: Asp. Tox. 1 ; H304

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

No special measures are necessary.

In case of skin contact

When in doubt or if symptoms are observed, get medical advice.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

No special measures are necessary. Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) Extinguishing powder Water spray Water mist The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None known.

Hazardous combustion products

None known.

5.3 Advice for firefighters

Adapt protective equipment to surrounding fire.

Special protective equipment for firefighters

Adapt protective equipment to surrounding fire.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. See protective measures under point 7 and 8.

For non-emergency personnel

Use personal protection equipment. See protective measures under point 7 and 8.

For emergency responders

Personal protection equipment

See protective measures under point 7 and 8.

6.2 Environmental precautions

No special environmental measures are necessary.

6.3 Methods and material for containment and cleaning up

For cleaning up

No special measures are necessary.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep/Store only in original container. Please note safety instructions and directions for use on the drum.

Protective measures

Measures to prevent fire

Usual measures for fire prevention. When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed. Keep in a cool, well-ventilated place. Do not store in temperatures below 5 °C.

Hints on joint storage

Store the foodstuffs separately.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

WHITE MINERAL OIL ; CAS No. : 8042-47-5

Limit value type (country of origin) : TLV/STEL (NZ)

Limit value : 10 mg/m³

Limit value type (country of origin) : TLV/TWA (NZ)

Limit value : 5 mg/m³

DNEL/DMEL and PNEC values

There are no data available on the preparation itself.

DNEL/DMEL

Limit value type : DNEL Consumer (systemic) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)

Exposure route : Oral

Exposure frequency : Long-term (repeated)

Limit value : 25 mg/kg

Safety factor : 24 h

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Limit value type : DNEL Consumer (systemic) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 87 mg/m³

Limit value type : DNEL Consumer (systemic) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 1250 mg/kg
Safety factor : 24 h

Limit value type : DNEL worker (systemic) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 294 mg/m³

Limit value type : DNEL worker (systemic) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 2080 mg/kg
Safety factor : 24 h

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 40 mg/kg
Safety factor : 24 h

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 92 mg/kg
Safety factor : 24 h

Limit value type : DNEL Consumer (systemic) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 35 mg/m³

Limit value type : DNEL worker (systemic) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 220 mg/kg
Safety factor : 24 h

Limit value type : DNEL worker (systemic) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 160 mg/m³

PNEC

Limit value type : PNEC (Aquatic, freshwater) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Limit value : 0,0437 mg/l

Limit value type : PNEC (Aquatic, marine water) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Limit value : 0,0437 mg/l

Limit value type : PNEC (Industrial) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route : Soil
Limit value : 1 mg/kg

Limit value type : PNEC (Sediment, freshwater) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Limit value : 31 mg/kg

Limit value type : PNEC (Sediment, marine water) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Limit value : 31 mg/kg

Limit value type : PNEC (Sewage treatment plant) (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)

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Limit value : 1000 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

No special measures are necessary.

Skin protection

Hand protection

No special measures are necessary.

Body protection

Body protection: not required.

Respiratory protection

No special measures are necessary.

General health and safety measures

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Separate storage of work clothes. When using do not eat, drink, smoke, sniff.

Occupational exposure controls

Technical measures to prevent exposure

Provide adequate ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : viscous

Colour : white

Odour : characteristic

Safety relevant basis data

Melting point/melting range :	(1013 hPa)	No data available
Initial boiling point and boiling range :	(1013 hPa)	No data available
Decomposition temperature :	(1013 hPa)	No data available
Flash point :		not applicable
Ignition temperature :		not applicable
Lower explosion limit :		not applicable
Upper explosion limit :		not applicable
Vapour pressure :	(50 °C)	No data available
Density :	(20 °C)	0,9 - 1,01 g/cm ³
Solvent separation test :	(20 °C)	No data available
Water solubility :	(20 °C)	not relevant
pH value :		5 - 6
log P O/W :		No data available
Flow time :	(20 °C)	not applicable
Viscosity :	(20 °C) approx.	9999 mPa.s
Odour threshold :		No data available
Maximum VOC content (EC) :		0,7 Wt %
Oxidising liquids :		Not applicable.
Explosive properties :		Not applicable.
Corrosive to metals :		Not corrosive to metals.

9.2 Other information

None

SECTION 10: Stability and reactivity

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10.1 Reactivity

None, if handled according to order.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

None, if handled according to order.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the mixture itself.

Acute effects

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	12500 mg/kg
Parameter :	LD50 (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	ATE (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Exposure route :	Oral
Effective dose :	500 mg/kg

No data available.

Practical experience/human evidence

No known toxic effects on humans.

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	not relevant
Parameter :	LD50 (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalation (vapour)
Effective dose :	not relevant
Parameter :	LC50 (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 5000 mg/m ³
Exposure time :	4 h

Irritant and corrosive effects

Not an irritant.

Sensitisation

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No data available.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute dermal toxicity

Parameter : NOAEL(C) (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : 1000 mg/kg

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No information available.

11.5 Additional information

Cosmetics

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

There are no data available on the preparation itself.

Acute (short-term) fish toxicity

Parameter : LC50 (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 1000 mg/l
Exposure time : 96 h

Parameter : LC50 (TETRAETHYLENEGLYCOL MONODODECYL ETHER ; CAS No. : 5274-68-0)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 3,3 mg/l
Exposure time : 96 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 100 mg/l
Exposure time : 48 h

Parameter : EC50 (TETRAETHYLENEGLYCOL MONODODECYL ETHER ; CAS No. : 5274-68-0)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 0,63 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC50 (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Species : Scenedesmus subspicatus
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 0,1 - 1 mg/l
Exposure time : 72 h

Chronic (long-term) algae toxicity

Parameter : NOEC (WHITE MINERAL OIL ; CAS No. : 8042-47-5)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Chronic (long-term) algae toxicity
Effective dose : => 100 mg/l
Exposure time : 72 h

Bacteria toxicity

Parameter : EC0 (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Evaluation parameter : Bacteria toxicity

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Effective dose : > 100 mg/l
Parameter : ECO (FATTY ALCOHOL ETHOXYLATE ; CAS No. : 68439-50-9)
Species : Pseudomonas putida
Evaluation parameter : Bacteria toxicity
Effective dose : > 10 - 100 mg/l
Exposure time : 30 min

12.2 Persistence and degradability

Abiotic degradation

No data available.

Biodegradation

No data available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments

No data available

Adsorption/Desorption

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

Concentrate/larger quantities: 07 06 99 Waste, n.o.s.

Waste treatment options

Appropriate disposal / Product

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'. Can be eliminated with domestic garbage on condition it complies with local regulations.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

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14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

not applicable

SECTION 15: Regulatory information

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

EU legislation

Cosmetics

National regulations

EPA NZ Classes of hazardous properties: not hazardous

NZ HSNO Approval: HSR003226: Alcohols, C12-14, ethoxylated

15.2 Chemical safety assessment

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

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimates

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CMR = Carcinogen, Mutagen or Reproductive toxicant

CO₂ = Carbon dioxide

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = European Commission

EC50 = Half maximal effective concentration

EN = European Standard (Norm)

EU = European Union

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

H statement = GHS Hazard statement

IATA = International Air Transport Association ICAO-TI = International Civil Aviation Organization-Technical Instructions

IMDG = International Maritime Dangerous Goods

LC50 = Median lethal concentration

LD50 = Median lethal dose

LogPow = Logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

NOEC/NOEL = No observed effect concentration/level

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RMM = Risk Management Measure

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RRN = REACH Registration Number
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
SVHC = Substances of Very High Concern
TLV/STEL = Threshold limit value/short-term exposure limit
TLV/TWA = Threshold limit value/time weighted average
UN = United Nations
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

Standard EN420:2003 General requirements for protective gloves: disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161).

Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161).

Personal eye protection - Eye and face protectors for occupational applications: safety glasses (Australian Standard AS 1336 and AS/NZS 1337.1:2010).

16.4 Classification for mixtures and used evaluation method according to GHS

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

Notice the directions for use on the label.

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.
