

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Hexagon Diaclean

Issued: 2020-07-01

Replaces SDS: 2017-10-31

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

1.1. Product identifier

Trade name	Hexagon Diaclean
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use	Alkaline cleaning agent
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1.3. Details of the supplier of the safety data sheet

Supplier	Hexagon Metrology Nordic AB
Street address	Svista 7 SE-635 02 Eskilstuna Sverige
Telephone	+46 (0)16 160800
Web site	www.hexagonmi.com
Manufacturer	Clemondo AB
Street address	Box 13073 250 13 Helsingborg Sverige
Telephone	+46 42 25 67 00
Email	info@clemondo.se
Fax	+46 42 25 67 50
Web site	www.clemondo.se
Contact person	Johanna Karlsson

1.4. Emergency telephone number

Not applicable

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Description	This product does not meet the criteria for classification as hazardous, flammable or environmental hazard under current legislation. The product has been classified by the Regulation (EC) No 1272/2008. For more information on the physical-chemical effects and the health and environmental effects, see section 9-12 of the SDS.
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2.2. Label elements

More information	The product doesn't require labeling
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2.3. Other hazards

The product and its ingredients are not expected to be PBT and/or vPvB.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
Ethanol	64-17-5 200-578-6 01-2119457610-43 603-002-00-5	0 - 0.5%	Flam. Liq. 2, Eye Irrit. 2	H225, H319 M-acut=0 M-chro=0	-
2-Propanol	67-63-0 200-661-7 01-2119457558-25 603-117-00-0	0 - 0.5%	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336 M-acut=0 M-chro=0	-

Substance additional information

Explanation of the hazard statements is given in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures	No special protective equipment is needed for those providing first aid.
Inhalation	Fresh air and rest.
Skin contact	Rinse with water.
Eye contact	Rinse with plenty of water for at least 5 minutes. If symptoms persist, call a physician.
Ingestion	Give some water to the person who has eaten the product. To hospital for inspection.

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

Inhalation	No known effects from normal use. No evidence of delayed effects.
Skin contact	Prolonged/frequent contact with the product can affect the skin's protective barrier.
Eye contact	May cause stinging, redness.
Ingestion	Ingestion may cause dizziness, nausea and vomiting.

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

Medical attention is needed if discomfort after eye contact or if a significant quantity has been swallowed.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Foam, dry powder, carbon dioxide or water fog.
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Unsuitable extinguishing media	None known.
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5.2. Special hazards arising from the substance or mixture

No specific hazards.

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Containers close to fire should immediately be removed or cooled with water.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Information regarding appropriate equipment see section 8.

6.2. Environmental precautions

Prevent significant amounts of the product from entering streams, groundwater or wastewater. Small amounts may be flushed away with water. Significant amounts shall be covered with absorbent, noncombustible material and must be collected in order to be delivered as disposal according to local regulations.

6.3. Methods and material for containment and cleaning up

CONTAINMENT: Contain and collect. CLEANUP: Flush with plenty of water.

6.4. Reference to other sections

Reference to Section 8 for protective equipment and section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions	The product should be stored in sealed containers at room temperature or cooler. Keep out of reach of children. Do not mix with other chemicals without knowing that it is safe.
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General hygiene	Observe normal care to avoid eye contact. When handling, any prolonged direct contact with the concentrate should be avoided. Observe general hygiene practices when handling chemicals.
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7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in sealed containers at room temperature or cooler.
Do not mix with other chemicals. Keep in a frost-free place.

7.3. Specific end use(s)

Alkaline cleaning agent.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg / m ³	Short-term exposure limit ppm / mg / m ³	Source	Remark	Year
Ethanol	64-17-5 -	1000 1920	- -	-	-	-
2-Propanol	67-63-0 -	400 999	500 1250	-	-	-

8.2. Exposure controls

Technical precaution measures	Ensure that protective gloves are available.
Eye / face protection	Not needed during normal usage.
Safety gloves	Protective gloves are not necessary but can be used advantageously. Protective gloves: vinyl or nitrile.
Other skin protection	Suitable protective clothing.
Respiratory protection	Not needed during normal usage.
Environmental exposure controls	To limit the environmental exposure of the product, the product must be disposed of or incinerated in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, physical state	Light liquid
Appearance, colour	Blue
Odour	Perfumed
Odour treshold	Not applicable
pH value	Ca. 10,7 (konzentrat)
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	> 100°C

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Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper / lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Ca. 1010 kg/m ³
Solubility	Easily soluble in water.
Partition coefficient: n-octanol / water	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity, kinematic	Not applicable
Viscosity, dynamic	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No other information to add.

SECTION 10: Physical and chemical properties

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No special precautions required.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on toxicological effects	There are no toxicological data on the product, only on the ingredients.
Acute toxicity	Not applicable
Skin corrosion/irritation	Not applicable
Serious eye damage/irritation	Not applicable
Respiratory/skin sensitization	The product contains no sensitizing agents.
Germ cell mutagenicity	Not applicable
Carcinogenicity	The product contains no carcinogens.
Repeated dose toxicity	Lack of data.
Reproductive toxicity	The product contains no substances toxic to reproduction.
STOT-single exposure	Not applicable
STOT-repeated exposure	Not applicable
Aspiration hazard	Not applicable
LD50 Oral	LD50(Ethanol): 7060 mg/kg (rat) LD50(2-propanol): 4710 mg/kg (rat)
LD50 Dermal	LD50(Ethanol): >20,000 mg/kg (rabbit) LD50(2-propanol): 12800 mg/kg (rabbit)
LC50 Inhalation	LC50(4h)(Ethanol): 124.7 mg/l (rat) LC50(4h)(2-propanol): 72.6 mg/l (rat)
Toxicity in case of inhalation	No known effects from normal use.
Toxicity in case of skin contact	Prolonged/frequent contact with the product can affect the skin's protective barrier.
Toxicity in case of eye contact	May cause stinging.
Toxicity in case of ingestion	Ingestion may cause dizziness, nausea and vomiting.

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SECTION 12: Ecological information

12.1. Toxicity

Toxicity	There are no ecotoxicological data on the product, only on the ingredients.
Acute fish toxicity	LC50(96h)(Ethanol): 13 500 mg/l (Pimephales promelas) LC50(96h)(2-propanol): 4200 mg/l (Rasbora heteromorpha)
Acute algae toxicity	IC50(72h)(Ethanol): >10.9 mg/l (Skeletonema costatum)
Acute crustacean toxicity	EC50(48h)(Ethanol): 5400 mg/l (Daphnia magna) EC50(48h)(2-propanol): 13 299 mg/l (Daphnia magna)

12.2. Persistence and degradability

Ethanol, 2-propanol: Readily biodegradable. 85% degraded in 28 days OECD 301D.
Degraded by naturally occurring microorganisms. Does not bioaccumulate in the aquatic environment as log P (o / w) <1. BOD5/COD: 0.3-0.8

The surfactants are readily biodegradable according to Regulation (EC) No. 648/2004.

12.3. Bioaccumulative potential

Bioaccumulative potential	Ethanol, 2-propanol: Log Pow: -0.3
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12.4. Mobility in soil

Mobility	No information available
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12.5. Results of PBT and vPvB assessment

The product and its agents are not expected to be PBT and/or vPvB.

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Not applicable

13.2. Other

Waste management	Emptied and cleaned packaging can be recycled.
Waste code	The waste code (EWC) is a recommendation. 20 01 29 - detergents containing dangerous substances 07 06 01 - aqueous washing liquids and mother liquors 07 06 01 - aqueous washing liquids and mother liquors

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SECTION 14: Transport information

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

The product is not classified as environmentally hazardous.

14.6. Special precautions for user

No special measures are necessary.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The load is not intended for bulk transport.

SECTION 15: Regulatory information

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

EU regulations

European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC. Repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EEC and 2000/21/EC, as amended. Responsibility for managing the risks of substances should lie with the natural or legal persons that manufactures, imports or uses these substances, or who places the products on the market. Information about the application of this Regulation shall be examined by all of the above. Customer shall comply with the instructions followed by the SDS which the manufacturer and the user of these substances developed to assess risks. Regulation (EC) No 648/2004 of the European Parliament and the council of 31 March 2004 on detergents. Customer shall only use detergents that contain biodegradable surfactants.

National regulations

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716) (CHIP4).
When handling the product, the customer must follow the safety data sheet classification and labeling.

15.2. Chemical safety assessment

No chemical safety assessment.

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SECTION 16: Other information

Changes to previous revision	In the safety data sheet from 2017-10-31 for the product, has been modified in the following paragraphs: 16.
References to key literature and data sources	This information is based on safety data from the ingredients.
Evaluation methods for classification	The product has been classified by the Regulation (EC) No 1272/2008.
Phrase meaning	<p>Flam. Liq. 2 - Flammable liquids, hazard category 2 Eye Irrit. 2 - Eye irritation, hazard category 2 STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3 H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.</p>

16.1. Other

Manufacturer's notes	Regulation (EC) No. 648/2004, on detergents: nonionic surfactants <5% , Amphoteric surfactants < 5 % perfumes.
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