

Safety data-sheet (91/155 EEC)

Printed 10.09.2002
Revision 10.09.2002 (GB) Version 1.1

HELMATIC CLEANER ALCALINE

10047HE0198

1. Identification of the substance/preparation

Name of product	HELMATIC CLEANER ALCALINE
Manufacturer/distributor	B. Braun Melsungen AG Carl-Braun-Straße 1, D-34212 Melsungen
Advice	Zentralbereich Zentrale Logistik Phone ++49 5661-714523

2. Composition/information on ingredients

Chemical characterization

Alkaline Cleaner for the mechanical preparation of instruments.

Hazardous ingredients

CAS-No.	EC-No.	Name	[%]	Classification
.		anionic surfactants	< 2	Xi,R36/38
.		nonionic surfactants	< 2	Xi R36/38
000139-13-9	205-355-7	sodium nitrilotriacetate	< 5	Xn R22; Xi R36
001310-73-2	215-185-5	sodium-hydroxide	< 2	C R35

3. Special hazards information for man and environment

R-phrases

34 Causes burns.

4. First aid measures

General information

Remove contaminated soaked clothing immediately.
If you feel unwell, seek medical advice.

In case of inhalation

Move to fresh air in case of accidental inhalation of vapours.
In the event of symptoms refer for medical treatment.

In case of skin contact

Wash off immediately with soap and plenty of water.
Treat subsequently with skin cream.
Consult a physician.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids.
Summon a doctor immediately.

In case of ingestion

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician

5. Fire-fighting measures

Suitable extinguishing material

Product does not burn, fire-extinguishing activities according to surrounding.

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Extinguishing material that may not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance, combustible products or resulting gases

Fire may produce:

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases)

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

Additional information

Cool containers at risk with water spray jet.

6. Accidental release measures

Personal precautions

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains or bodies of water.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Additional Information

Do not use metal containers.

7. Handling and storage

Advice on safe handling

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No special protective measures against fire required.

Requirements for storage rooms and vessels

Keep containers tightly closed in a dry, well-ventilated place.

Advice on storage compatibility

Incompatible with strong acids and oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls / personal protection

Additional advice on system design

Ensure adequate ventilation, especially in confined areas.

Ingredients with occupational exposure limits to be monitored

CAS-No.	Name	Code	[mg/m ³]	[ml/m ³]	Remark
001310-73-2	sodium-hydroxide	TLV	2		Short Term Exposure

Respiratory protection

No personal respiratory protective equipment normally required.

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Hand protection

PVC or other plastic material gloves.

Eye protection

Eye wash bottle with pure water
safety goggles with side protection

Skin protection

Long sleeved clothing.

General protective measures

Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothes before re-use.

9. Physical and chemical properties

Form

liquid

Colour

yellowish

Odour

characteristic

Data relevant for safety

	Value	Temperature	at	Method	Remark
pH value in delivery state	13,5				concentrate
Boiling point	100 °C				
Flash point					n. a.
Combustion temperature					n. a.
Lower explosion limit					n. a.
Density	1,11 g/ml	20 °C			
Solubility in water					completely miscible

10. Stability and reactivity

Conditions to avoid

To avoid thermal decomposition, do not overheat.
Exothermic reaction with strong acids.

Materials to avoid

Strong acids and oxidizing agents

Hazardous decomposition products

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

Additional information

No decomposition if stored and applied as directed.

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11. Toxicological information

Experiences made from practice

The product causes burns of eyes, skin and mucous membranes.

Ingestion may cause nausea, vomiting, sore throat, stomach-ache and eventually lead to a perforation of the intestine.

Ingestion causes burns of the upper digestive and respiratory tracts.

12. Ecological information

General regulation

Water contaminating.

Product is not allowed to be discharged into aquatic environment.

13. Disposal considerations

Waste code No.

07 06 99

Name of waste

wastes not otherwise specified

Recommendations for the product

Where possible recycling is preferred to disposal.

Can be disposed of after chemical and physical treatment, when in compliance with local regulations.

Recommendations for packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packagings are to be treated like the product itself.

Recommended cleansing agent

water

14. Transport information

Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)

Identification

3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(cont. sodium hydroxide)

UN-No.

3266

Class

8

Hazard No.

80

Remarks

LQ 19: combination packaging: 3 I / 12 I; trays: 1 I / 12 I (20 kg total gross mass)

Marine transport IMDG/GGV See

Proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(cont. sodium hydroxide)

UN-No.

3266

Class

8

PG

III

Marine pollutant

No

EmS-No.

8-15

Remarks

Limited quantities (chapter 3.4): combination packaging: 1 I / 30 kg (total gross mass); trays: 1 I / 20 kg (total gross mass)

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Air transport ICAO/IATA

Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(cont. sodium hydroxide)

UN/ID-No. 3266

Class 8

PG III

Remarks

PAC 818 (5 L), CAC 820 (60 L)

15. Regulatory information

Remarks for classification

According to EC-regulations the product is to be labelled as follows:

Classification

C Corrosive

R-phrases

34 Causes burns.

S-phrases

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

35 This material and its container must be disposed of in a safe way.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous ingredients for labeling

sodium-hydroxide

Special labelling for certain preparations

-

16. Other information

Further information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 22 Harmful if swallowed.

R 35 Causes severe burns.

R 36 Irritating to eyes.

R 36/38 Irritating to eyes and skin.