

## Cleaner 14

Material number 1 8620

Page: 1 of 9

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

#### 1.1 Product identifier

Trade name: Cleaner 14  
As part of the kits 1 8620 XX XX XXX or Article No. 970 112  
(The positions X code different packages.)

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

General use: Laboratory chemicals, Cleaning agent  
For professional use only

#### 1.3 Details of the supplier of the safety data sheet

Company name: DiaSys Diagnostic Systems GmbH  
Street/POB-No.: Alte Strasse 9  
Postal Code, city: 65558 Holzheim  
WWW: <http://www.diasys.de>  
E-mail: [mail@diasys.de](mailto:mail@diasys.de)  
Telephone: +49 (0) 6432-9146-0  
Telefax: +49 (0) 6432-9146-32  
Department responsible for information:  
Corporate headquarters, Telephone: +49 (0) 6432-9146-0, Email: [mail@diasys.de](mailto:mail@diasys.de)

#### 1.4 Emergency telephone number

Infraserv, Telephone: +49 (0) 69-305-6418

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

Met. Corr. 1; H290 May be corrosive to metals.  
Skin Corr. 1B; H314 Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Labelling (CLP)



Signal word: **Danger**

Hazard statements: H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

## Cleaner 14

Material number 1 8620

Page: 2 of 9

### Precautionary Statements:

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P390 Absorb spillage to prevent material damage.

### Special labelling

Text for labelling: Contains Sodium hydroxide.

### 2.3 Other hazards

No risks worthy of mention.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119457892-27-xxxx EC No. 215-185-5 CAS 1310-73-2	Sodium hydroxide	2 - 5 %	Met. Corr. 1; H290. Skin Corr. 1A; H314.
EC No. 231-668-3 CAS 7681-52-9	Sodium hypochlorite M-factor 10	< 0.5 %	Skin Corr. 1B; H314. Aquatic Acute 1; H400. (EUH031).

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

Additional information: Contains polyethylene glycol: The maximum workplace exposure limits are, where necessary, listed in section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- In case of inhalation: Provide fresh air. Seek medical attention.
- Following skin contact: Take off immediately all contaminated clothing. Clean with plenty of water. If possible, also wash with polyethylene glycol 400. Cover with sterile dressing material to protect against infection. Seek medical attention.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently seek the immediate attention of an ophthalmologist.
- After swallowing: Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Risk of perforation! Do not try to neutralize. Seek medical attention.

## Cleaner 14

Material number 1 8620

Page: 3 of 9

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

In case of inhalation: Mucous membrane irritation, cough and shortage of breath, burns.  
In case of ingestion: Burns in the mouth, pharynx, oesophagus, and gastrointestinal tract.  
Risk of perforation in the oesophagus and stomach.  
After contact with skin: burns  
After eye contact: Burns. Danger of loss of sight!

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

### 5.2 Special hazards arising from the substance or mixture

In case of strong heating/In case of fire may be liberated: Chlorine, sodium compounds, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: 2X

Use fine water spray to cool endangered containers.

Suppress gases/vapours/mists with water spray jet.

Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the substance. Do not breathe vapours.

In enclosed areas: Provide fresh air.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance. Final cleaning.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Avoid contact with the substance. Do not breathe vapours.  
Take off immediately all contaminated clothing and wash it before reuse.  
Provide adequate ventilation, and local exhaust as needed.  
Wash hands and face thoroughly after handling. When using do not eat or drink.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:  
Keep containers tightly closed and at a temperature between + 2 °C and + 25 °C. Provide adequate ventilation. Protect from light.  
Unsuitable materials: Aluminium, zinc, tin.

Hints on joint storage: Do not store together with ammonium compounds or acids.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1310-73-2	Sodium hydroxide	Great Britain: WEL-STEL	2 mg/m <sup>3</sup>
		Ireland: 15 minutes	2 mg/m <sup>3</sup>
7681-52-9	Sodium hypochlorite M-factor 10	Europe: IOELV: STEL	1.5 mg/m <sup>3</sup> ; 0.5 ppm
		Great Britain: WEL-STEL Ireland: 15 minutes	1.5 mg/m <sup>3</sup> ; 0.5 ppm 1.5 mg/m <sup>3</sup> ; 0.5 ppm

### 8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Use filter type (ABEK-P2/P3) according to EN 14387..

Hand protection: Protective gloves according to EN 374.  
Glove material: nitrile rubber-Layer thickness: 0,11 mm.  
Breakthrough time: >480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Lab coat

## Cleaner 14

Material number 1 8620

Page: 5 of 9

General protection and hygiene measures:

- Take off immediately all contaminated clothing and wash it before reuse.
- Do not breathe vapours.
- When using do not eat or drink.
- Wash hands before breaks and after work.
- Have eye wash bottle or eye rinse ready at work place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid Colour: colourless
Odour:	odourless
Odour threshold:	No data available
pH value:	at 25 °C: 13.7
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	not combustible
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 20 °C: 1.0854 g/mL
Water solubility:	at 25 °C: soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

### 9.2 Other information

Additional information: No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Corrosive against metals.

### 10.2 Chemical stability

Product is stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

Reacts with ammonium compounds: Formation of ammonia.  
Reacts violently with acids.

## Cleaner 14

Material number 1 8620

Page: 6 of 9

### 10.4 Conditions to avoid

Keep away from heat. Protect from light.  
(Decomposition of Sodium hypochlorite: Formation of oxygen).

### 10.5 Incompatible materials

Acids (Formation of chlorine), light metals (Formation of hydrogen), reducing agent and oxidizing agents (Formation of chlorine, oxygen).

### 10.6 Hazardous decomposition products

Chlorine, hydrogen

Thermal decomposition: No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Skin Corr. 1B; H314 = Causes severe skin burns and eye damage.  
Serious eye damage/irritation: Lack of data.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

### Symptoms

In case of inhalation: Mucous membrane irritation, cough and shortage of breath, burns.  
In case of ingestion: Burns in the mouth, pharynx, oesophagus, and gastrointestinal tract.  
Risk of perforation in the oesophagus and stomach.  
After contact with skin: burns  
After eye contact: Burns. Danger of loss of sight!

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful effects on water organisms by modification of pH-value.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 23/1/2019  
Version: 21  
Language: en-GB,IE  
Date of print: 11/9/2019

## Cleaner 14

Material number 1 8620

Page: 7 of 9

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 05 06\* = Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals.  
\* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.  
Small quantities: Reducing agent: Sodium sulphite or Sodium thiosulphate.  
Afterwards neutralization with hydrochloric acid (diluted) up to pH 6-8.

#### Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging  
Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:  
UN 3266

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
UN 3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(Sodium hydroxide and Sodium hypochlorite-solution)

## Cleaner 14

Material number 1 8620

Page: 8 of 9

### 14.3 Transport hazard class(es)

ADR/RID: Class 8, Code: C5  
IMDG: Class 8, Subrisk -  
IATA-DGR: Class 8



### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:  
II

### 14.5 Environmental hazards

Marine pollutant: no

### 14.6 Special precautions for user

#### Land transport (ADR/RID)

Warning board: ADR/RID: Kemmler-number 80, UN number UN 3266  
Hazard label: 8  
Special provisions: 274  
Limited quantities: 1 L  
EQ: E2  
Contaminated packaging - Instructions: P001 IBC02  
Special provisions for packing together: MP15  
Portable tanks - Instructions: T11  
Portable tanks - Special provisions: TP2 TP27  
Tank coding: L4BN  
Tunnel restriction code: E

#### Sea transport (IMDG)

EmS: F-A, S-B  
Special provisions: 274  
Limited quantities: 1 L  
Excepted quantities: E2  
Contaminated packaging - Instructions: P001  
Contaminated packaging - Provisions: -  
IBC - Instructions: IBC02  
IBC - Provisions: -  
Tank instructions - IMO: -  
Tank instructions - UN: T11  
Tank instructions - Provisions: TP2, TP27  
Stowage and handling: Category B. SW2  
Segregation: SG35  
Properties and observations: Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.  
Segregation group: 18

#### Air transport (IATA)

Hazard label: Corrosive  
Excepted Quantity Code: E2  
Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y840 - Max. Net Qty/Pkg. 0.5 L  
Passenger and Cargo Aircraft: Pack.Instr. 851 - Max. Net Qty/Pkg. 1 L  
Cargo Aircraft only: Pack.Instr. 855 - Max. Net Qty/Pkg. 30 L  
Special provisions: A3 A803  
Emergency Response Guide-Code (ERG): 8L





# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 23/1/2019  
Version: 21  
Language: en-GB,IE  
Date of print: 11/9/2019

## Cleaner 14

Material number 1 8620

Page: 9 of 9

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

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Great Britain

Hazchem-Code: 2X  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H290 = May be corrosive to metals.  
H314 = Causes severe skin burns and eye damage.  
H400 = Very toxic to aquatic life.  
EUH031 = Contact with acids liberates toxic gas.

Reason of change: ADR/RID 2019

Date of first version: 6/3/2007

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.