
SAFETY DATA SHEET

1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**1.1- Product information**

Name CleanLys
Product code 20700

1.2- Product use: cleaning solution for automated systems**1.3- Company identification**

Company name/Address DIAGAST SAS - 251 avenue Eugène Avinée – 59120 LOOS
Phone number +33 (0)3 20 96 53 53
Fax number +33 (0)3 20 96 53 54
E-mail hotline@diagast.com
Web site http://www.diagast.com

1.4- Emergency number: Orfila (INRS): +33 (0)1 45 42 59 59

2- HAZARDS IDENTIFICATION**2.1- Product classification and labeling elements**

- According to the EC regulation (EC) n°1272/2008:



Warning
H315/319 Causes skin and serious eye irritation
H290 May be corrosive to metals

2.2- Other dangers

Can cause contact sensitization. The preparation may cause irritation to skin and eyes especially if exposure is prolonged.

3- COMPOSITION/DATA ON COMPONENTS**3.1- Substances**

CAS	EINECS	Name	H	%
1310-58-3	215-181-3	POTASSIUM HYDROXIDE	315/319	$0.5 \leq x \% < 2$

3.2- Mixture

A mixture of anionic and non-ionic surface active agents, stabilizing agents, alkalis, non-phosphate detergent builders and sequestering agents, in an aqueous base.

4- FIRST AID MEASURES**4.1- Description of the first aid measures**

In all cases of doubt or when skin or eye irritation persists, seek medical attention.

4.2- Principal symptoms and acute and deferred effects

Skin burns, eye damage.

4.3- Indications on the eventual immediate necessary medical care and particular treatments

In case of eye contact: flush with plenty of water keeping eyelids opened. Seek medical attention if irritation persists.

In case of skin or hair contact: take out immediately the contaminated cloths and rinse with water. Seek medical attention if irritation persists.

In case of Ingestion: rinse mouth with large amounts of water (if the person is conscious). Do not induce vomiting. Hospitalize.

5- FIREFIGHTING MEASURES

5.1- Extinguishing media: Use any means suitable for extinguishing surrounding fire.

5.2- Particular danger resulting from the substance: no danger.

5.3- Advice for firemen: no particular measure is required.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal protection, protection equipment and emergency procedures

Insure adequate ventilation. Do not inhale vapors. Avoid any contact with skin or eyes.

6.2- Precautions for environment protection

Dilute with large amounts of water.

Prevent the contamination of sewers, soil and water.

6.3- Cleaning methods and confinement material

Absorb spills with an absorbent inert material (sand, vermiculite, Kieselguhr...).

Flush the rest with plenty of water. Collect the wash water then treat it according to local regulation.

6.4- Reference to other sections

Not applicable.

7- HANDLING AND STORAGE

7.1- Measures for a safe handling: refer to paragraph 8.1.

7.2- Necessary conditions assuring the security of storage with regards to eventual incompatibilities

Store locked up. Keep containers tightly closed, store in a dry well ventilated area. Re-close tightly every used recipient and store it vertically to avoid any leakage.

7.3- Particular final use

In vitro diagnostic medical device for professional use.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Keep away from food and beverages.

Wash hands at breaks and when you finish working.

Avoid any contact with the eyes or the skin.

Personal protective equipment: no particular equipment is required.

Respiratory protection: is not necessary.

Hands protection: wear appropriate protective gloves.

Eye protection: use chemical safety goggles.

Skin protection: no particular equipment is required.

Occupational exposure limit: Potassium Hydroxyde 2mg/m³ OES 15 min STEL.

9-PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on the essential physical and chemical properties

Physical state	liquid
Color	whitish
Odor	faint odour

9.2- Others information

Physical state change:

Melting point	not applicable
Boiling point	100.5°C
Inflammation point	not applicable
Auto-ignition temperature	the product does not ignite spontaneously
Danger of explosion	the product is non explosive
Vapor pressure at 20°C	17.1 mm Hg
Evaporation rate	0.34 (butyl acetate = 1)
Viscosity	6.27 cps at 20°C
Density at 20°C	1.083
Solubility in water	complete
pH at 20°C	>13
% of solvent	data not available
% of solid substances	data not available

10- STABILITY AND REACTIVITY

- 10.1- Reactivity:** data not available.
10.2- Chemical stability: stable in the recommended storage and use conditions.
10.3- Possible dangerous reactions: may react violently with strong acids, may produce hydrogen when in contact with aluminum.
10.4- Conditions to avoid: none.
10.5- Incompatible material: none.
10.6- Hazardous decomposition products: no dangerous decomposition products are known.
10.7- Further information: will tend to corrode non-ferrous metals, notably aluminum and zinc.
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11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects: Toxicity

Primary irritation effect

- Skin: causes irritation of the skin and mucous membranes
- Eyes: causes eye irritation

Ingestion: can be harmful in case of ingestion, causes burns

Sensitization: no sensitization effect is known

Complementary toxicological indications:

In accordance with the last EC directive on the classification of substances; this product is classified as:
irritant

12- ECOLOGICAL INFORMATION

- 12.1- Toxicity:** data not available.
12.2- Persistence and degradability: the product is biodegradable.
Predisposed for biodegradability in accordance with OECD 301E (ISO method 7287 - 1986 (E)).
12.3- Bioaccumulation potential: data not available.
12.4- Mobility in soil: no polluting. Prevent material from entering sewers, waterways or groundwater.
12.5- Results of the evaluation of the PBT and vPvB: not applicable.
12.6- Other harmful effects: data not available.
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13- DISPOSAL CONSIDERATIONS

13.1- Methods of waste treatment

Recommendations: must not be eliminated with household garbage.

European waste catalogue:

The European Union does not fix uniform laws for the disposal of chemical wastes. These are classified as special residues and their treatment and disposal are subjected to the national legislation of each country. So the competent local authority or the companies legally authorized for waste disposal must be consulted.

2001/573/CE: Council decision of the 23rd of July 2001 modifying the list of waste defined by the 2000/532/CE commission decision.

91/156/CEE Council directive of the 18th March 1991 modifying the 75/442/CEE directive on waste.

Unclean empty bottles:

The packaging and containers contaminated by hazardous substances or preparations will receive the same treatment as the products they contain.

Directive 94/62/EC of the European Parliament and the Council of 20 December 1994 on packaging and packaging waste.

Recommendations: dispose according to the legal authority requirements.

14- TRANSPORT INFORMATIONS

Not classified as dangerous for transport under current ADR regulations.

15- REGULATORY INFORMATIONS

15.1- Regulation/legislation to the substance or the product in terms of security, health and environment

The harmonized classification and labeling come from table 3.1 of the annex VI of the EC regulation n° 1272/2008 of the European Parliament and of the Council on the 16th of December 2008 on classification, labeling and packaging of substances and mixtures.

Classification:



15.2- Evaluation of the chemical security

This evaluation was not done.

16- OTHER INFORMATION

H Phrases

H315 Causes skin irritation.
H319 Causes serious eye irritation.

P Phrases

P262 Avoid contact with eyes, skin or clothing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash hands thoroughly after handling.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332+ P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

The information contained herein is based on the present status of our knowledge. It describes the safety dispositions to be taken with this product, but it does not constitute assurance of product characteristics.

Sources:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the 18th of December 2006, REACH, in its last valid version.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on the 16th of December 2008, CLP, in its last valid version