


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

- 1.1 Product Identifier**
Trade name: **La Blanche Cleaner**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Application: Industrial/Professional use
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer / Importer / Supplier: Houweling Horticulture bv
Klappolder 104
2665 LP Bleiswijk
Nederland
tel +31 88 1210 400
horticulture@houweling.nl
houweling.com
Further information obtainable from: Product safety department
- 1.4 Emergency telephone number**
During office hours: +31 88 1210 400

SECTION 2 Hazards identification

- 2.1 Classification of the substance or mixture**
Description: Mixture
Classification according to Regulation (EC) No 1272/2008
Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
- 2.2 Label elements**
The product is classified and labelled according to the CLP Regulation.
Labelling according to Regulation (EC) No 1272/2008
Hazard pictograms: GHS05

Signal word: Danger
Hazard-determining components of labelling
Sodium hydroxide
Hazard statements
H314 Causes severe skin burns and eye damage.
Precautionary statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ 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.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international Regulations.
- 2.3 Other hazards**
Results of PBT and vPvB assessment
PBT: There is no additional information available.
vPvB: There is no additional information available.

SECTION 3 Composition/information on ingredients


3.1 Chemical characterisation: Substances

Not applicable.

3.2 Chemical characterisation: Mixtures

Description: Mixture.

Dangerous components

Component	Identification	Classification	Conc.%	Pictograms
Sodium hydroxide	CAS: 1310-73-2 EINECS: 215-185-5 Index: 011-002-00-6	Skin Corr. 1A, H314	10 - 25%	

Additional information

For the wording of the listed hazard phrases see SECTION 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General information

Immediately remove any clothing soiled by the product.

After inhalation

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Call a poison center or physician immediately. Wash contaminated skin with soap and water. Continue to rinse for at least 10 minutes.

After eye contact

Rinse opened eye for several minutes (>15) under running water. Then consult a doctor.

After ingestion

Wash out mouth with water. Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

There is no additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

There is no additional information available.

SECTION 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

There is no additional information available.

Hazardous combustion products

There is no additional information available.

5.3 Advice for firefighters

Protective equipment

No special measures required.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter sewers/surface/ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to SECTION 13.
Dilute with plenty of water.
Ensure adequate ventilation.

6.4 Reference to other sections

For information on safe handling: see SECTION 7.
For information on personal protection equipment: see SECTION 8.
For disposal information: see SECTION 13.

SECTION 7 Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire and explosion protection

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities**Requirements to be met by storerooms and tanks**

Keep only in the original container tightly closed.
Suitable material for receptacle: steel or stainless steel.
Unsuitable material for receptacle: aluminium.

Information about storage in one common storage facility

Do not store together with oxidizing and acidic materials.
Store away from metals.

Further information about storage conditions

Store in a well-ventilated place.

7.3 Specific end use(s)

There is no additional information available.

SECTION 8 Exposure controls/personal protection**Additional information about design of technical facilities**

No further data; see SECTION 7.

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The lists valid during the making were used as basis.

8.2 Exposure controls**Personal protective equipment****General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection/Face protection



Tightly sealed goggles

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form:	Liquid.
Colour:	Yellowish.
Odour:	Characteristic.
Odour threshold:	Not determined.

Other physical and chemical parameters

pH-value at 20 °C:	14
Change in condition	
• Melting point/freezing point:	Not determined.
• Initial boiling point and boiling range:	Not determined.
Flash point:	Not determined.
Flammability (solid, gas):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits	
• Lower explosion limit (LEL):	Not determined.
• Upper explosion limit (UEL):	Not determined.
Vapour pressure at 20 °C:	Not determined.
Density at 20 °C:	1.227 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.

Viscosity

- Dynamic: Not determined.
- Kinematic at 20 °C: 22 s (ISO 3 mm)

Solvent content VOC (EU 1999/13/EC): Not determined.

9.2 Other information

There is no additional information available.

SECTION 10 Stability and reactivity

10.1 Reactivity

No decomposition if used according to specifications.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

There is no additional information available.

10.5 Incompatible materials

Oxidising agents.
Acids.

10.6 Hazardous decomposition products

In case of fire, toxic and corrosive gases may be formed.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification

1310-73-2 Sodium hydroxide

Oral	LD50	2000 mg/kg (rat)
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Primary irritant effect

- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitization**
Based on available data, the classification criteria are not met.

CMR effects (carcinogenic, mutagenic and reprotoxic)

- **Germ cell mutagenicity**
Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Based on available data, the classification criteria are not met.
- **Reprotoxicity**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity from single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity from repeated exposure**
Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12 Ecological information

12.1 Toxicity

Aquatic toxicity

There is no additional information available.

12.2 Persistence and degradability

There is no additional information available.

12.3 Bioaccumulative potential

There is no additional information available.

12.4 Mobility in soil

There is no additional information available.

Additional ecological information

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

12.5 Results of PBT and vPvB assessment

There is no additional information available.

12.6 Other adverse effects

There is no additional information available.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging

Recommendation

Disposal must be made according to official Regulations.

SECTION 14 Transport information

14.1 UN-number:

UN1824

14.2 UN proper shipping name:

1824 SODIUM HYDROXIDE SOLUTION, MIXTURE

14.3 Transport hazard class(es):



Class:

8 Corrosive substances

14.4 Packing group:

II

14.5 Environmental hazards:

None.

14.6 Special precautions for user:

Warning: Corrosive substances

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

Not applicable.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN-number: UN1824
 Proper shipping name: 1824 SODIUM HYDROXIDE SOLUTION, MIXTURE
 Particulars in the transport document: UN1824 SODIUM HYDROXIDE SOLUTION, MIXTURE, 8, II
 Class: 8 Corrosive substances
 Classification code: C5
 Packing group: II
 Danger label(s): 8



Excepted quantities (EQ): E2
 Limited quantities (LQ): 1L
 Transport category (TC): 2
 Tunnel restriction code (TRC): E
 Hazard Identification No: 80

International Maritime Dangerous Goods Code (IMDG)

UN-number: UN1824
 Proper shipping name: 1824 SODIUM HYDROXIDE SOLUTION, MIXTURE
 Particulars in the transport document: UN1824 SODIUM HYDROXIDE SOLUTION, MIXTURE, 8, II
 Class: 8 Corrosive substances
 Marine pollutant: No
 Packing group: II
 Danger label(s): 8



Excepted quantities (EQ): E2
 Limited quantities (LQ): 1L
 EmS: F-A,S-B
 Stowage category: A
 Stowage code: SG35 Stow "separated from" acids.
 Segregation group: Alkalis.

International Civil Aviation Organization (ICAO-IATA/DGR)

UN-number: UN1824
 Proper shipping name: 1824 SODIUM HYDROXIDE SOLUTION, MIXTURE
 Particulars in the transport document: UN1824 SODIUM HYDROXIDE SOLUTION, MIXTURE, 8, II
 Class: 8 Corrosive substances

Packing group: II
Danger label(s): 8



SECTION 15 Regulatory information

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

International Regulations

Directive 2012/18/EU

- **Named dangerous substances – ANNEX I**
None of the ingredients are listed.
- **Regulation (EC) No 1907/2006 – ANNEX XVII**
Conditions of restriction: 3

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16 Other information

Relevant phrases

H314 Causes severe skin burns and eye damage.

Department issuing SDS

Environment protection department

Abbreviations and acronyms

ADN	Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (division of the American Chemical Society)
EC50	Effective Concentration, 50 percent
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam. 1	Serious eye damage/eye irritation, Hazard Category 1
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
IOELVs	Indicative Occupational Exposure Limit Values
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
Skin Corr. 1A	Skin corrosion/irritation, Hazard Category 1A
STEL	Short Term Exposure Limit
VOC	Volatile Organic Compounds (USA, EU)
vPvB	very Persistent and very Bioaccumulative
WEL	Workplace Exposure Limits

References

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI). See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Based on Regulations – 1907/2006/EC, 272/2008/EC and directive 2012/18/EU.

Date of composition

22/10/2010

Version date

30/06/2020

Indication of changes

Revisions were made in sections marked with *.

Disclaimer

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