

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 27.05.2013

Version number 2

Revision: 27.05.2013

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

- **1.1 Product identifier**
- **Trade name:** CIEL VERT 3000
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation :** Detergents
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
CVE  
ZI de Pechnaugué  
31340 VILLEMUR SUR TARN  
Tél: 05 34 27 55 33  
Fax: 05 34 27 55 34  
mail : ciel-vert@wanadoo.fr
- **1.4 Emergency telephone number:**  
France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)  
EU Tel : 112

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**



GHS05

*Skin Corr. 1B H314 Causes severe skin burns and eye damage.*

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC :**



C; Corrosive

*R34: Causes burns.*

- **Information concerning particular hazards for human and environment:**  
*The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

- **2.2 Label elements**

- **Labelling according to EU guidelines:**  
*The product has been marked in accordance with EU Directives / respective national laws, 2008/58/CE (30eme ATP) ; 2009/2/CE (31eme ATP) ; 2006/8/CE*
- **Code letter and hazard designation of product:**



C Corrosive

- **Hazard-determining components of labelling:**  
*sodium hydroxide*
- **Risk phrases:**  
*34 Causes burns.*
- **Safety phrases:**  
*1/2 Keep locked up and out of the reach of children.*  
*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

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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).

56 Dispose of this material and its container to hazardous or special waste collection point.

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterization: Mixtures**

Description: Mixture: consisting of the following components.

**Dangerous components:**

CAS: 169107-21-5	Alcool gras éthoxylé Xn R22; Xi R41 Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%
CAS: 64-02-8 EINECS: 200-573-9	tetrasodium ethylenediaminetetraacetate Xn R22; Xi R41 Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%
CAS: 1310-73-2 EINECS: 215-185-5	sodium hydroxide C R35 Skin Corr. 1A, H314	≤2.5%
CAS: 68585-34-2	lauryl ether sulfate de sodium Xi R36/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤2.5%
CAS: 7681-52-9 EINECS: 231-668-3	sodium hypochlorite, solution C R34; N R50 R31 Skin Corr. 1B, H314; Aquatic Acute 1, H400	≤2.5%

Additional information: For the wording of the listed risk phrases, refer to 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 excessive inhalation:**

In case of unconsciousness place patient in a stable laying down side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed :**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed :**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture : No further relevant information available.

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- **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:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or 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 neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections :**  
See Section 7 for information on safe handling.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :** Open and handle receptacle with care.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s) :** No further relevant 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

- **Ingredients with limit values that require monitoring at the workplace:**

1310-73-2 sodium hydroxide ( $\leq 2.5\%$ )
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WEL (Great Britain) Short-term value: 2 mg/m <sup>3</sup>
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#### Additional information:

As a basis for the production of this document, the most current valid lists were used.

#### 8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from food, beverages and petfood.  
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:** Not required.
- **Protection of hands:**



Protective gloves

- **Gloves material :** Rubber gloves

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## · Eye protection:



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

## · 9.1 Information on basic physical and chemical properties

## · General Information

## · Appearance:

· Form:	Liquid
· Colour:	According to product specification
· Odour:	Characteristic

## · Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.

· Flash point: Not applicable.

· Ignition temperature: Not applicable.

· Self-igniting: Product is not self igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapour pressure at 20 °C: 23 hPa

· Density: Not determined.

## · Solubility in / Miscibility with water:

Fully miscible.

## · Solvent content:

VOC (EC) 0,00 %

· 9.2 Other information : No further relevant information available.

**SECTION 10: Stability and reactivity**

## · 10.1 Reactivity

## · 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 : No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

**SECTION 11: Toxicological information**

## · 11.1 Information on toxicological effects

## · Acute toxicity:

## · LD/LC50 values relevant for classification:

1310-73-2 sodium hydroxide

Oral LD50 2000 mg/kg (rat)

## · Primary irritant effect:

· On the skin: Caustic effect on skin and mucous membranes.

· On the eyes: Strong caustic effect.

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- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Corrosive  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.


### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects:** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |   |  |
|---|--|
| · <b>14.1 UN-Number</b>   |  |
| · <b>ADR, IMDG, IATA</b>  | 3267   |
| · <b>14.2 UN proper shipping name</b>   |  |
| · <b>ADR</b>  | 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.<br>(SODIUM HYDROXIDE, HYPOCHLORITE SOLUTION) |
| · <b>IMDG, IATA</b>   | CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.<br>(SODIUM HYDROXIDE, HYPOCHLORITE SOLUTION)      |
| · <b>14.3 Transport hazard class(es)</b>  |  |
| · <b>ADR</b>  |  |
|  |  |
| · <b>Class</b>  | 8 (C7) Corrosive substances.   |

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· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Corrosive substances.
· Danger code (Kemler):	80
· EMS Number:	F-A,S-B
· 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	LQ22
· Transport category	2
· Tunnel restriction code	E
· UN "Model Regulation":	UN3267, CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE, HYPOCHLORITE SOLUTION), 8, II

**SECTION 15: Regulatory information**

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

## · Relevant phrases

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- R22 Harmful if swallowed.
- R31 Contact with acids liberates toxic gas.
- R34 Causes burns.
- R35 Causes severe burns.
- R36/38 Irritating to eyes and skin.
- R41 Risk of serious damage to eyes.
- R50 Very toxic to aquatic organisms.

## · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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*IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*

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