

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

Printing date 20.02.2019

Revision: 20.02.2019

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

- **1.1 Product identifier**
- **Trade name:** *SANA GUARD 2*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** *SUI Agriculture, forestry, fishery*
- **Product category** *PC35 Washing and cleaning products (including solvent based products)*
- **Application of the substance / the mixture** *Cleaning agent/ Cleaner*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*BouMatic Gascoigne Melotte  
31 Rue Jules Mélotte  
4350 Remicourt  
Belgium  
E: info@boumatic.com // T: +32 (0)19 54 42 66*
- **Further information obtainable from:**  
*Legal Department  
e-mail: rwolfer@boumatic.com*
- **1.4 Emergency telephone number:** *NHS : dial 111*

### SECTION 2: Hazards identification

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

*GHS05 corrosion*

- Met. Corr.1 H290 May be corrosive to metals.*
- Skin Corr. 1B H314 Causes severe skin burns and eye damage.*
- Eye Dam. 1 H318 Causes serious eye damage.*

*GHS09 environment*

- Aquatic Acute 1 H400 Very toxic to aquatic life.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**

*GHS05**GHS09*

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*sodium hypochlorite, solution*
- **Hazard statements**  
*H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.*

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**· Precautionary statements**

- P260 Do not breathe mist/vapours/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves / eye protection.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- 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.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Additional information:**

EUH031 Contact with acids liberates toxic gas.

**· 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 characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

**· Dangerous components:**

CAS: 7681-52-9	sodium hypochlorite, solution	10-25%
EINECS: 231-668-3	Met. Corr.1, H290; Skin Corr. 1B, H314; Aquatic Acute 1, H400	

· **Additional information:** For the wording of the listed hazard 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.

Never give anything by mouth to an unconscious person.

· **After inhalation:** Supply fresh air and to be sure call for a doctor.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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

· **After swallowing:**

Seek immediate medical advice.

Never give anything by mouth.

· **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.



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### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **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**  
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe fumes.  
In case of fire may form:
  - Chlorine (Cl<sub>2</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Use an acid neutralizer.  
Clean preferably with a detergent, avoid use of solvents.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
No special precautions are necessary if used correctly.  
Do not mix with acid reaction products (scale removers) and ammonia products.
- **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:**  
Always keep in containers of same material as the original.  
Recommended types of packaging:
  - CansSuitable packaging materials:
  - Polyethylene
  - PlasticInappropriate packaging materials:
  - Metal
- **Information about storage in one common storage facility:** Do not store together with acids.

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- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Keep container tightly sealed.  
Keep at temperature not exceeding 30°C.
- **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 item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
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:**  
Ensure that washing facilities are available at the work place.  
Do not eat, drink, smoke or sniff while working.  
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.  
Provide eye washes in work places where the product is constantly handled.
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Type of assisted ventilation filtering device:  
Wear assisted ventilation filtering device with helmet or hood (TH Turbo Hood).
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Natural rubber, NR  
Nitrile rubber, NBR  
PVC gloves  
PVA gloves  
Butyl rubber, BR  
Waterproof gloves compliant with norm NF EN374.
  - **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.

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· **Eye protection:**



Tightly sealed goggles

Before handling, it is necessary to wear goggles with side protection according to the NF EN166. In case of increased danger, use a face shield to protect the face.

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Fluid
· <b>Colour:</b>	Yellow Brown
· <b>Odour:</b>	Chlorine-like

· **pH-value at 20 °C:** 11

· **Change in condition**

· **Melting point/freezing point:** Undetermined.  
· **Initial boiling point and boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Vapour pressure:** > 300 kPa (3 bar)

· **Density:** > 1 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

· **10.1 Reactivity** No further relevant information available.

· **10.3 Possibility of hazardous reactions** Contact with acids releases toxic gases.

· **10.4 Conditions to avoid** Heat and direct sunlight.

· **10.5 Incompatible materials:**

Keep away from:

- acids
- metals
- organic matters
- powdered metals (aluminum, magnesium, potassium, sodium and zinc)
- amines

· **10.6 Hazardous decomposition products:** Thermal decomposition may release/form chlorine (Cl<sub>2</sub>)

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### 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:**

**7681-52-9 sodium hypochlorite, solution**

Oral	LD50	5800 mg/kg (mouse)
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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 sensitisation** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):**  
May cause irreversible damage to the skin, as a necrosis visible through the epidermis and in the dermis, following exposure from three minutes to one hour.  
Corrosive reactions are characterized by ulcers, bleeding, bloody scabs and, at the end of an observation period of 14 days, by discoloration due to blanching of the skin, complete areas of alopecia and scars.  
Repeated or prolonged contact with the mixture can remove the natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-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:** 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.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Other information:**  
Substances Acute Toxicity Category 1: CAS: 7681-52-9 SODIUM HYPOCHLORITE SOLUTION ...% CL ACTIVE  
Toxicity to fish: 0.01 <LC50 ≤ 0.1 mg/l; Factor M = 10  
Mixtures: No information is available about aquatic toxicity of the mixture.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms

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- **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 together with household garbage. Do not allow product to reach sewage system. Appropriate management of mixed waste and/or its container must be determined in accordance with Directive 2008/98/EC.  
Recycle or dispose in accordance with current legislation, preferably via a certified collector or company. Do not contaminate soil or water with waste, do not dispose of them in the environment.
- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Completely empty the container. Keep the label (s) on the container. Give to a certified disposal contractor.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1791
- **14.2 UN proper shipping name**
- **ADR** 1791 HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS
- **IMDG, IATA** HYPOCHLORITE SOLUTION
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 8 Corrosive substances.
- **Label** 8
- **IMDG, IATA**
- 
- **Class** 8 Corrosive substances.
- **Label** 8
- **14.4 Packing group**
- **ADR, IMDG, IATA** III

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· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Corrosive substances.
· <b>Danger code (Kemler):</b>	80
· <b>EMS Number:</b>	F-A,S-B
· <b>Segregation groups</b>	Hypochlorites
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	LQ7
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>UN "Model Regulation":</b>	UN1791, HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS, 8, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
sodium hypochlorite, solution
- **Hazard statements**  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.
- **Precautionary statements**  
P260 Do not breathe mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection.  
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
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.  
P390 Absorb spillage to prevent material damage.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**
- **Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t**
- **REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**
- **National regulations:**
- **Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.**
- **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**  
H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H400 Very toxic to aquatic life.
- **Department issuing SDS: Legal Department**
- **Contact: Mr. Wolfer**
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Met. Corr. 1: Corrosive to metals – Category 1  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1