

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

Printing date 19.12.2011

Revision: 19.12.2011

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

- **Product identifier**
- **Trade name:** SANA GUARD 2
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU1 Agriculture, forestry, fishery
- **Product category** PC8 Biocidal products (e.g. Disinfectants, pest control)
- **Application of the substance / the preparation**
Disinfectant
Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BouMatic Gascoigne Melotte
31 Rue Jules Mélotte
B-4350 Remicourt
BELGIUM
- **Further information obtainable from:**
Legal Department
e-mail: cmalbrouck@boumatic.com
- **Emergency telephone number:** Tel.-Nr.: +1813-248-0585

2 Hazards identification

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



GHS05 corrosion

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



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

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



C; Corrosive

R34: Causes burns.



N; Dangerous for the environment

R50: Very toxic to aquatic organisms.

R31: Contact with acids liberates toxic gas.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Additional information:**

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S 45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S 61 Avoid release to the environment. Refer to special instructions/safety data sheet

S 60 This material and its container must be disposed of as hazardous waste

S 57 Use appropriate containment to avoid environmental contamination

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- **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**
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
EUH031 Contact with acids liberates toxic gas.
- **Precautionary statements**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Remove/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 or doctor/physician.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** *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	C R34; N R50 R31	
	Skin Corr. 1B, H314; Aquatic Acute 1, H400	

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

4 First aid measures

- **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.*

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- **After swallowing:**
Seek immediate medical advice.
Never give anything by mouth.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **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 (Cl₂)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **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.
- **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.
- **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.

7 Handling and storage

- **Handling:**
- **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.
- **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:
 - Cans
 Suitable packaging materials:
 - Polyethylene

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- Plastic
- Inappropriate packaging materials:*
- Metal
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Keep container tightly sealed.
Keep at temperature not exceeding 30°C.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **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.

9 Physical and chemical properties

· Information on basic physical and chemical properties**· General Information****· Appearance:**

Form:	Fluid
Colour:	Light yellow
· Odour:	Chlorine-like

· pH-value at 20°C: 11**· Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** Undetermined.**· Flash point:** Not applicable.**· Self-igniting:** Product is not selfigniting.**· Danger of explosion:** Product does not present an explosion hazard.**· Vapour pressure:** > 300 kPa (3 bar)**· Density:** > 1 g/cm³**· Solubility in / Miscibility with water:**

Fully miscible.

· Other information

No further relevant information available.

10 Stability and reactivity

· Reactivity**· Chemical stability****· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**· Possibility of hazardous reactions** Contact with acids releases toxic gases.**· Conditions to avoid** Heat and direct sunlight.**· Incompatible materials:**

Keep away from:

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

· Hazardous decomposition products: Thermal decomposition may release/form chlorine (Cl₂)

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11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **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:**

- **on the skin:** Caustic effect on skin and mucous membranes.

- **on the eye:** Strong caustic effect.

- **Sensitization:** No sensitizing effects known.

- **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.

- **Additional toxicological information:**

The product shows the following dangers 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.

12 Ecological information

- **Toxicity**

- **Acquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **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: $0.01 < LC50 \leq 0.1$ 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 unneutralized.

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

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **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.

14 Transport information

· **UN-Number**

· **ADR, IMDG, IATA**

UN1791

· **UN proper shipping name**

· **ADR**

1791 HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS

· **IMDG, IATA**

HYPOCHLORITE SOLUTION

· **Transport hazard class(es)**

· **ADR**



· **Class**

8 Corrosive substances.

· **Label**

8

· **IMDG, IATA**



· **Class**

8 Corrosive substances.

· **Label**

8

· **Packing group**

· **ADR, IMDG, IATA**

III

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special marking (ADR):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Corrosive substances.

· **Danger code (Kemler):**

80

· **EMS Number:**

F-A,S-B

· **Segregation groups**

Hypochlorites

· **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code

Not applicable.

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· Transport/Additional information:**· ADR**

- | | |
|---------------------------|-----|
| · Limited quantities (LQ) | LQ7 |
| · Transport category | 3 |
| · Tunnel restriction code | E |

- | | |
|--------------------------|--|
| · UN "Model Regulation": | UN1791, HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS, 8, III |
|--------------------------|--|

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

R31 Contact with acids liberates toxic gas.

R34 Causes burns.

R50 Very toxic to aquatic organisms.

· Department issuing MSDS: Legal Department**· Contact: Mrs. Malbrouck****· 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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent