

**GUARD WASH EXPRESS - 1415**

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

**SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name : GUARD WASH EXPRESS  
Product code : 1415.  
UFI : TGW3-U0M2-300S-58YG

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Cleaning product Professional use.

**1.3. Details of the supplier of the safety data sheet**

Registered company name : GUARD INDUSTRIE S.A.S..  
Address : 7 Rue Gutenberg.93100.Montreuil.France.  
Telephone : 0155861760. Fax : 0148581689.  
info@guardindustrie.com  
www.guardindustrie.com

**1.4. Emergency telephone number : +33 (0)1 45 42 59 59.**

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

**SECTION 2 : HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Substance that is corrosive to metals, Category 1 (Met. Corr. 1, H290).  
Skin corrosion, Category 1 (Skin Corr. 1, H314).  
Serious eye damage, Category 1 (Eye Dam. 1, H318).  
Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).  
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).  
Contact with acids liberates toxic gas (EUH031).

**2.2. Label elements**

Detergent mixture (see section 15).  
Mixture for spray application.

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS05



GHS09

Signal Word :

DANGER

Product identifiers :

EC 231-668-3

SODIUM HYPOCHLORITE, SOLUTION CLACTIVE

Hazard statements :

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

H410

Very toxic to aquatic life with long lasting effects.

EUH031

Contact with acids liberates toxic gas.

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Precautionary statements - General :

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

Precautionary statements - Prevention :

- P234 Keep only in original packaging.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

- 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 [or shower].  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 a doctor.  
P321 In case of visiting a doctor, show the MSDS.  
P363 Wash contaminated clothing before reuse.  
P390 Absorb spillage to prevent material damage.  
P391 Collect spillage.

Precautionary statements - Storage :

- P405 Store locked up.  
P406 Store in a corrosion resistant/... container with a resistant inner liner.

Precautionary statements - Disposal :

- P501 Dispose of contents/container to a centre for harmful waste.

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contains substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

| Identification   | (EC) 1272/2008   | Note | %                  |
|--|--|------|--------------------|
| CAS: 7681-52-9<br>EC: 231-668-3<br><br>SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE | GHS05, GHS09, GHS07<br>Dgr<br>Met. Corr. 1, H290<br>Skin Corr. 1B, H314<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>M Acute = 10<br>Aquatic Chronic 1, H410<br>M Chronic = 1<br>EUH:031 | B    | 10 $\leq$ x % < 25 |

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**Specific concentration limits:**

| Identification   | Specific concentration limits | ATE |
|--|-------------------------------|-----|
| CAS: 7681-52-9<br>EC: 231-668-3<br><br>SODIUM HYPOCHLORITE, SOLUTION CL ACTIVE | EUH031: C>=5%                 |     |

**Information on ingredients :**

(Full text of H-phrases: see section 16)

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures**

**In the event of exposure by inhalation :**

Following inhalation of aerosol or mist : move victims into fresh air. If symptoms persist, consult a physician for treatment.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

**In the event of splashes or contact with skin :**

Remove any soiled or splashed clothing immediately.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

**In the event of swallowing :**

Do not give the patient anything orally.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**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 in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

**5.3. Advice for firefighters**

No data available.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Avoid any contact with the skin and eyes.

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**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

**6.3. Methods and material for containment and cleaning up**

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

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**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep out of reach of children.

Keep the container tightly closed in a dry place.

Maximum storage time : 9 months

Store dry. Keep the package tightly closed.

Do not store closed to acids.

keep away from direct solar light.

Store between 0 and 25°C ; avoid temperatures under -5°C.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

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**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

|                           |                              |
|---------------------------|------------------------------|
| <b>Final use:</b>         | <b>Workers.</b>              |
| Exposure method:          | Inhalation.                  |
| Potential health effects: | Short term systemic effects. |
| DNEL :                    | 3.1 mg of substance/m3       |
| <b>Final use:</b>         | <b>Consumers.</b>            |
| Exposure method:          | Ingestion.                   |
| Potential health effects: | Long term systemic effects.  |
| DNEL :                    | 0.26 mg/kg body weight/day   |
| Exposure method:          | Inhalation.                  |
| Potential health effects: | Long term systemic effects.  |
| DNEL :                    | 1.55 mg of substance/m3      |

**Predicted no effect concentration (PNEC):**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

|                            |                              |
|----------------------------|------------------------------|
| Environmental compartment: | Fresh water.                 |
| PNEC :                     | 0.21 µg/l                    |
| Environmental compartment: | Sea water.                   |
| PNEC :                     | 0.042 µg/l                   |
| Environmental compartment: | Intermittent waste water.    |
| PNEC :                     | 0.26 µg/l                    |
| Environmental compartment: | Waste water treatment plant. |
| PNEC :                     | 0.03 mg/l                    |

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

When spraying, wear a face shield in accordance with standard EN166.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

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Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- PVC (polyvinyl chloride)

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**

Physical state : Fluid liquid.

**Colour**

Light yellow

**Odour**

Odour threshold : Not stated.

N/A

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash point interval : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : 12.50 +/- 1.  
Strongly basic.

pH (aqueous solution) : Not stated.

**Kinematic viscosity**

Viscosity : Not stated.

Viscosity:  $\nu < 7 \text{ mm}^2/\text{s} (40^\circ\text{C})$

**Solubility**

Water solubility : Soluble.

Fat solubility : Not stated.

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**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : 1.16  
Method for determining the density :  
ISO 3507 (Laboratory glassware - Pycnometers).

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

No data available.

**9.2.1. Information with regard to physical hazard classes**

No data available.

**9.2.2. Other safety characteristics**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

This mixture reacts with acids, releasing toxic gases in dangerous quantities.  
Mixture which by chemical action can corrode and even destroy metals.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :  
- frost  
- exposure to light  
- heat

**10.5. Incompatible materials**

Keep away from :  
- acids  
Releases a toxic gas when in contact with acids.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :  
- carbon monoxide (CO)  
- carbon dioxide (CO<sub>2</sub>)

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**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

May cause irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis, following exposure for up to three minutes.

Corrosive reactions are typified by ulcers, bleeding, bloody scabs, and, by the end of observation at 14 days, by discolouration due to blanching of the skin, complete areas of alopecia, and scars.

**11.1.1. Substances**

**Acute toxicity :**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)  
Oral route : LD50 > 2000 mg/kg

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Species : Rat

Dermal route :

LD50 > 2000 mg/kg  
Species : Rabbit

**Skin corrosion/skin irritation :**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

Corrosivity :

Causes severe skin burns.

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**11.1.2. Mixture**

**Skin corrosion/skin irritation :**

Corrosive classification is based on an extreme pH value.

**Serious damage to eyes/eye irritation :**

Corrosive classification is based on an extreme pH value.

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**SECTION 12 : ECOLOGICAL INFORMATION**

Very toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

Fish toxicity :

0.01 < LC50 <= 0.1 mg/l

Factor M = 10

Duration of exposure : 96 h

EC mg/l

NOEC < 1 mg/l

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

**12.2.1. Substances**

SODIUM HYPOCHLORITE, SOLUTION ...% CL ACTIVE (CAS: 7681-52-9)

Biodegradability :

Rapidly degradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.



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**German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :**

WGK 2 : Hazardous for water.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 - ICAO/IATA 2021).

**14.1. UN number or ID number**

1791

**14.2. UN proper shipping name**

UN1791=HYPOCHLORITE SOLUTION

**14.3. Transport hazard class(es)**

- Classification :



8

**14.4. Packing group**

II

**14.5. Environmental hazards**

- Environmentally hazardous material :



**14.6. Special precautions for user**

| ADR/RID | Class | Code | Pack gr. | Label | Ident. | LQ  | Provis. | EQ | Cat. | Tunnel |
|---------|-------|------|----------|-------|--------|-----|---------|----|------|--------|
|         | 8     | C9   | II       | 8     | 80     | 1 L | 521     | E2 | 2    | E      |

| IMDG | Class | 2°Label | Pack gr. | LQ  | EMS      | Provis. | EQ | Stowage Handling | Segregation |
|------|-------|---------|----------|-----|----------|---------|----|------------------|-------------|
|      | 8     | P       | II       | 1 L | F-A. S-B | 274 900 | E2 | Category B       | SGG8 SG20   |

| IATA | Class | 2°Label | Pack gr. | Passager | Passager | Cargo | Cargo | note    | EQ |
|------|-------|---------|----------|----------|----------|-------|-------|---------|----|
|      | 8     | -       | II       | 851      | 1 L      | 855   | 30 L  | A3 A803 | E2 |
|      | 8     | -       | II       | Y840     | 0.5 L    | -     | -     | A3 A803 | E2 |

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

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For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(sodium hypochlorite, solution ...% cl active)

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

**- Container information:**

Packaging to be fitted with child-resistant fastenings (see EC Regulation No. 1272/2008, Annex II, Part 3).

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

**- Particular provisions :**

No data available.

**- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :**

- less than 5 % : cationic surfactants
- 5 % or over but less than 15 % : chlorinebased bleaching agents

**- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :**

WGK 2 : Hazardous for water.

**15.2. Chemical safety assessment**

No data available.

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**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

|        |   |
|--------|---|
| H290   | May be corrosive to metals.                           |
| H314   | Causes severe skin burns and eye damage.              |
| H335   | May cause respiratory irritation.                     |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| EUH031 | Contact with acids liberates toxic gas.               |

**Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages



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Version : N°1 (04/03/2022)  
GUARD INDUSTRIE S.A.S.

Date : 30/03/2022 Page 11/11  
Revision : N°7 (04/03/2022)

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TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.