

Safety Data Sheet
according to 1907/2006/EC, Article 31

Page: 1/7

Version number 2.F

Origin: 27/04/2017

**Descaler specially designed for Saniflo
products**

Review: 14/02/2023

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

1.1 Product identifier

Product name: Descaler specially designed for Saniflo products
UFI No.: D200-C00M-J00Y-UTJP

1.2 Identified appropriate uses of the substance or mixture and uses advised against

Use of the substance /preparation:

Use by professionals / the general public
Cleaning WC bowl

See section 16 for the REACH codes

Uses advised against

None at this time

1.3 Information regarding the supplier of the safety data sheet:

Producer/supplier:

SFA
41 bis avenue Bosquet – 75007 Paris
Tel.: + 33 (0)1 44 82 25 55
hsebregy@sfa.fr

1.4 Emergency telephone number:

United Kingdom : Guy's & St Thomas' Poisons Unit, London: +44 870 243
2241 Ireland Ireland National Poisons Information Centre: +353 1 8379964
Australia +61 13 11 26
New Zealand +64 0800 764 766

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture according to CLP Regulation No. 1272/2008

Met. Corr. 1	H290 – May be corrosive to metals
Skin Irrit. 2	H315 – Causes skin irritation
Eye Irrit. 2	H319 – Causes serious eye irritation.

2.2 Label elements according to CLP Regulation No. 1272/2008

Hazard Pictograms:



GHS05

Signal Word: Warning

Hazard Statements:

H290	May be corrosive to metals.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary Statements:

P102	Keep out of reach of children.
P234	Keep only in original packaging.
P305+P351+P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P310	Immediately call a POISON CENTRE or doctor.
P501	Dispose of contents/container according to local regulations.

Safety Data Sheet
according to 1907/2006/EC, Article 31

Page: 2/7

Version number 2.F

Origin: 27/04/2017

**Descaler specially designed for Saniflo
products**

Review: 14/02/2023

2.3 Other Hazards

Dangerous reactions possible with certain chemical products (See incompatible materials in §10).

Results of PBT and vPvB assessments: Not applicable (inorganic substance).

SECTION 3: Composition/information on ingredients

3.2 Chemical nature: Mixture

CAS: 7664-38-2 EINECS: 231-633-2 INDEX: 0145-011-00-6 REACH: 01-2119485924-24	Phosphoric Acid Met. Corr. 1, H290; Acute Tox. 4, H302; Skin Corr. 1B, H314; Eye Dam. 1, H318 Eye Irrit. 2; H319: $10\% \leq C < 25\%$ Skin Corr. 1B; H314: $C \geq 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$	10 - 24% m/m
--	---	--------------

Additional information: See chapter 16 for the description of the hazard statements cited.

SECTION 4: First Aid

4.1 Description of first-aid measures

- After excessive inhalation** Get to fresh air, consult a doctor in the event of issues.
- After contact with the skin** Remove contaminated clothing and wash the skin carefully with soap and water or a known cleaning agent. Do not use solvents or diluents.
- After contact with the eyes** In the event of contact with the eyes, wash immediately and abundantly with water for several minutes under running water holding the eyelids wide apart. Remove contact lenses if possible. Continue rinsing.
- After swallowing** In the event of accidental ingestion, consult a doctor if necessary. Rest well. Do not make the victim vomit.

4.2 Most Important Symptoms and Effects Both Acute and Delayed: data not available

4.3 Indication of any immediate medical attention and special treatment needed

Treat the symptoms and cease the exposure.

SECTION 5: Fire-Fighting Measures:

5.1 Extinguishing media:

CO₂, extinguishing powder or water spray. Fight large fires with sprayed water or alcohol resistant foam.
Do not use water jets.

5.2 Special hazards arising from the substance or mixture

Non-flammable and non-explosive product. There is a risk of the emission of acidic fumes under the effect of heat (phosphorus oxide). Caustic fumes may form.

5.3 Advice for fire-fighters:

Wear acid-proof equipment and respiratory protection equipment. Acid-proof equipment and clothing that complies with standard EN 469 including helmet, protective boots and gloves.

Special methods: coordinate the measures for fighting fires in surrounding areas. Do not allow the contaminated fire-fighting water to drain into gutters. Collect contaminated fire-fighting water separately.

SECTION 6: Accidental Release Measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment (including the personal protective equipment referred to in Section 8 of the safety data sheet).

In case of emergency, refer to a first aid officer.

Avoid contact with skin and the eyes. Do not breath in vapours or spray mist. Ventilate the area.

6.2 Environmental Precautions:

Try to stop the leak. Avoid spreading the product in surface waters or in the sewers. Do not discharge into gutters, surface waters or underground water.

6.3 Methods and materials for containment and cleaning up:

Absorb all the spreading substance to avoid it attacking surrounding materials.

Absorb with a non-combustible, liquid binding agent (sand, diatomaceous earth, universal binder). Treat the absorbed material in accordance with the disposal section. Rinse the contaminated surface areas abundantly with water.

6.4 Reference to other sections:

For information on safe handling, see Chapter 7.

For further information on the personal protective equipment, see Chapter 8.

For information on disposal, see Chapter 13

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Ensure that safety shower and eye-wash stations are close to the workstations.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures and storage conditions

Take all necessary provisions to avoid the accidental release of the product into the sewers and in watercourses, in the event of that the containers break or transfer systems.

Keep in a dry, cool and well ventilated place.

Store in a dark, cool place, far from any metal or metallic object.

Packing Materials

Polyethylene.

Incompatible materials: Metals

Requirements regarding storage premises or tanks

Keep the container closed tight.

Store in a place with an acid-proof floor.

Additional information on storage conditions

Releases hydrogen in the presence of metals.

Keep away from food and drink, including those for animals.

7.3 Specific end use(s): No other important information available.

SECTION 8: Exposure controls/personal protection:

8.1 Control parameters:

Phosphoric acid (CAS 7664-38-2) – Indicative regulatory occupational exposure limits

OEL 8 hours 0.2 ppm / 1 mg/m³

OEL 15 minutes 0.5 ppm / 2 mg/m³

8.2 Exposure Controls:

Personal Protective Equipment:

General protective measures and hygiene:

Store away from foodstuffs, drinks and animal feed. Do not eat, do not drink and do not smoke during use.

Immediately remove any clothing that is soiled or wetted. Wash hands before breaks and at the end of the working day.

Respiratory protection equipment:

Wear respiratory protection equipment in the event of vapours or aerosols.

Use a breathing filter for short duration or low exposure. Combined filter: B-P2

Hand protection:

Protective gloves (NF EN374)

Follow instructions regarding permeability and penetration time that are provided by the gloves supplier. Also take into consideration the specific local conditions in which the product is used, such as the risk of cuts, abrasion and the contact time.

Gloves must be examined before use. Gloves must be disposed of and replaced if there is any sign of degradation or chemical permeability.

Material: butyl-rubber - Breakthrough time: ≥ 8h - Thickness of gloves: 0.5 mm

Material: polyisoprene - Breakthrough time: ≥ 8h - Thickness of gloves: 0.5 mm

Material: polyvinyl chloride - Breakthrough time: ≥ 8h - Thickness of gloves: 0.5 mm

Material: nitrile-rubber - Breakthrough time: ≥ 8h - Thickness of gloves: 0.35 mm

Material: fluorine rubber - Breakthrough time: ≥ 8h - Thickness of gloves: 0.4 mm

Eye protection:

Safety glasses with side protectors (NF EN166).

In the event of increased danger, wear a face shield.

Other remarks:

Wear acid-proof protective clothing.

Follow the instructions for use on the label (no more than once per month, etc.).

8.3 Environmental Control

Do not spill the product in surface waters or in the sewers.

SECTION 9: Physical and chemical properties

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid
Colour:	Depending on product
Odour:	Odourless
Melting point:	Data not available
Boiling point:	Data not available
Flammability:	Non-flammable.
Explosion limits:	Non-explosive
Flash point:	Not applicable. (aqueous solution).
Auto-ignition temperature:	Data not available
Decomposition Temperature:	Data not available

Safety Data Sheet
according to 1907/2006/EC, Article 31

Page: 5/7

Version number 2.F

Origin: 27/04/2017

Descaler specially designed for Saniflo products

Review: 14/02/2023

pH:	< 2
Kinematic viscosity:	Data not available
Solubility:	Soluble
Partition Coefficient: N-Octanol/Water	Not applicable. (mixture)
Relative vapour density at 25 °C:	Data not available
Density / Relative density	1.075 at 20 °C
Steam density	Data not available
Particles	Not applicable. (aqueous solution).

9.2 Other information: Corrosive for metals.

SECTION 10: Stability and reactivity

10.1 Reactivity: Does not decompose if used correctly.

10.2 Chemical stability: Stable under the recommended storage conditions.

10.3 Possibility of hazardous reactions:

Possibility of hazardous reaction with lime, nitrates or chlorates.

Exothermic reaction with alkaline metals (75% phosphoric acid).

10.4 Conditions to avoid: Avoid high temperatures and exposure to light (75% phosphoric acid).

10.5 Incompatible materials: Keep away from bases, alkalis, metals and reducing agents.

10.6 Hazardous decomposition products:

Hydrogen is formed in the presence of many metals.

In the event of fire hazardous decomposition products such as phosphorus oxides or phosphine may be formed.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity:

In view of the available data, the classification criteria are not met

Phosphoric acid 75% (CAS 7664-38-2)	DL50 (oral, rat)	1,350 mg/kg _{bw}
	DL50 (skin, rabbit)	2,740 mg/kg _{bw}
	CL50 (inhalation, 4h, rat)	> 213 mg/m ³

Skin Corrosion/Irritation

Skin irritant (harmonised classification).

Phosphoric acid 75% (CAS 7664-38-2) Corrosive (OECD 404)

Serious Eye Damage/Irritation

Causes eye severe irritation to the eyes (harmonised classification).

Phosphoric acid 75% (CAS 7664-38-2) Corrosive

Respiratory or Skin Sensitization

In view of the available data, the classification criteria are not met.

Germ cell mutagenicity

In view of the available data, the classification criteria are not met.

Phosphoric acid 75% (CAS 7664-38-2)	Ames test (OECD 471)	Negative
	Genetic mutations (OECD 473)	Negative

Carcinogenicity

In view of the available data, the classification criteria are not met.

Reproductive Toxicity

In view of the available data, the classification criteria are not met.

Phosphoric acid 75% (CAS 7664-38-2)	NOAEL (rat, oral, teratogenic effect, OECD 422)	≥ 410 mg/kg _{bw} /j
-------------------------------------	---	------------------------------

Safety Data Sheet
according to 1907/2006/EC, Article 31

Page: 6/7

Version number 2.F

Origin: 27/04/2017

**Descaler specially designed for Saniflo
products**

Review: 14/02/2023

NOAEL (rat, oral, mother, OCDE 422) $\geq 500 \text{ mg/kg}_{\text{bw}}/\text{j}$

Specific target organ toxicity - single exposure

In view of the available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

In view of the available data, the classification criteria are not met.

Aspiration hazard

In view of the available data, the classification criteria are not met

11.2 Information on Toxicological Effects

Endocrine disrupting properties *not relevant*

SECTION 12: Ecological information

12.1 Toxicity: *In view of the available data, the classification criteria are not met.*

Phosphoric acid 75% (CAS 7664-38-2)

Fish	CL50 (96h, <i>Gambusia affinis</i>)	138 mg/L
	CL50 (96h, <i>Lepomis macrochirus</i>)	3 – 3.25 mg/L
Invertebrates	CE50 (48h, <i>daphnia magna</i> , OCDE 202)	$\geq 100 \text{ mg/L}$
Algae	NOEC (72h, OECD 201)	100 mg/L
	CE50 (72h, OECD 201)	$> 100 \text{ mg/L}$
Activated sludge	CE50	1 g/L

12.2 Persistence and degradability: *Not applicable (inorganic substance)*

12.3 Bioaccumulative potential: *Not applicable (inorganic substance)*

12.4 Mobility in soil: *No other important information available.*

12.5 Results of PBT and vPvB assessments: *Not applicable (inorganic substance)*

12.6 Endocrine disrupting properties: *Not applicable.*

12.7 Other adverse effects: *No other important information available.*

SECTION 13: Disposal considerations:

13.1 Waste Treatment Methods:

Disposing of product/packaging

Dispose of contents/container according to local regulations.

Information for waste processing

Neutralise product to pH 7 +/-1.5 before discharging into the sewers.

Contaminated packaging must be emptied as completely as possible and may then, after appropriate cleaning, be recovered.

Information for discharge of wastewater

Do not discharge the product into the sewers or a watercourse.

Neutralise the product with an alkali carbonate, then wash abundantly with water.

Other recommendations for disposal

Neutralise product to pH 7 +/-1.5 before discharging into the sewers.

Safety Data Sheet
according to 1907/2006/EC, Article 31

Page: 7/7

Version number 2.F

Origin: 27/04/2017

**Descaler specially designed for Saniflo
products**

Review: 14/02/2023

SECTION 14: Transport Information

14.1 UN number	1805
14.2 UN Proper Shipping Name	Phosphoric acid solution
14.3 Transport hazard class(es)	8
14.4 Packaging group	III
14.5 Hazards for the environment:	NA
14.6 Specific precautions to be taken by the user	80-E (ADR) / F-A, S-B (IMDG)
14.7 Maritime transport in line with IMO instruments	-

SECTION 15: Regulatory Information

15.1 Specific legislation / regulations for the substance or mixture in terms of safety, health and the environment

EU Regulations: -

Authorisations: -

Restrictions on use: Professional - Directive 92/85/EEC on the safety and health at work of pregnant workers and Directive 94/33/EC on the protection of young people at work.

15.2 Chemical Safety Assessment: the relevant information and risks assessments for the substance included in Section 3 have been integrated into Sections 1.2, 8 and 16 of this SDS.

SECTION 16: Other information

These indications are based on the current knowledge, but do not constitute a guarantee regarding the properties of the product and do not represent a legal, contractual report.

Updated 27/10/2022 – Modification of all the sections taking into account the specific limits of phosphoric acid / taking into account risk assessments of the substances included in Section 3.

Classification Method

Components based approach (CLP Annex I)

REACH Code

SU21: consumer

PC35: Washing and cleaning products.

ERC8b: Widespread use of reactive processing aid (no inclusion into or onto article, indoor).

Additional H statement

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

Acronyms and abbreviations:

ADR European agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG International Maritime Code for Dangerous Goods.

CE50 Effective Concentration, 50 percent.

LC50 Lethal Concentration, 50 percent.

LD50 Lethal dose, 50 percent.

NOAEL No Observable Adverse Effect Level.

NOEC No Observable Adverse Effect Concentration.

PBT Persistent, Bioaccumulative and Toxic.

vPvB very Persistent and very Bioaccumulative.