

Material Safety Data Sheet according to Regulation (EG) No 1907/ 2006

Article 608 – Sodium percarbonate

Date of issue: 03.09.2025

Date of revision: -

Version: 2.0

Supersedes version: 1.0 (20.01.2025)

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

1.1 Product identifier

Trade name:

Article 608 - Sodium percarbonate

Synonym:

Sodium percarbonate

UFI.:

4300-90E0-K00P-JDG8

REACH Registration No:

-

Product description:

Test and reference detergent, solid.

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

Identified uses:

Agents for specialized washing and cleaning processes in the manufacture and finishing of textiles. For professional use only.

Uses advised against: -

1.3 Details of the supplier of the safety data sheet

Swissatest Testmaterialien AG
Mövenstrasse 12
9015 St. Gallen
Switzerland

Telephone

0041 71 311 80 55

E-Mail

info@swissatest.ch

Internet

www.swissatest.ch

1.4 Emergency telephone number

Tox Info Suisse

Telephone 145

2. Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as a hazardous substance based on the calculation method according to Regulation (EC) No. 1272/2008 (CLP Regulation) in its latest valid version.

Ox. Sol. (Category 3), H272

Acute Tox. (Category 4), H302

Eye damage (Category 1), H318

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



GHS03



GHS05



GHS07

Signal word: DANGER

Hazard components for labelling:

Contains: Sodium percarbonate

Hazard statements:

H272: May intensify fire: Oxidiser

H302: Harmful if swallowed

H318: Causes serious eye damage

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Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves, protective clothing, eye protection

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P370+P378: In case of fire use water to extinguish.

P411: Store at temperatures not exceeding 40 °C.

Ingredients, 648/2004/EG:

≥ 30 % Oxygen based bleaching agents

5 - <15 % Anionic surfactants

5 - <15 % Soap

2.3 Other hazards

The mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. The product does not contain any components with endocrine-disrupting properties at or above 0.1%.

3. Composition/information on ingredients

3.1 Substances: The product is a mixture.

3.2 Mixtures

Designation	CAS No.	EC-No.	Content [wt. %]	Classification according to (EG) N° 1272/2008
Sodium percarbonate	15630-89-4	239-707-6	≥ 85	Ox. Sol. 3, H272 Acute Tox. 4, H302 Eye Dam. 1, H318 SCL: H319, Kat. 2; 7.5 % ≤ C < 25 %, H318, Kat. 1; C > 25 %
Sodium sulfate	7757-82-6	231-820-9	≤ 10	-
Sodium carbonate	497-19-8	207-838-8	≤ 7	Eye Irrit. 2, H319

SVHC

This preparation does not contain substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

Additional Information:

No further information available.

See Section 16 for wording of H and P statements.

4. First aid measures

4.1 Description of first aid measures

General instructions: Observe the first aider's self-protection.
Remove contaminated clothes and wash them before reuse.

After inhalation: Move person to fresh air and ensure unhindered breathing. Consult a doctor in case of symptoms.

After skin contact: Wash immediately with plenty of water for several minutes.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if worn and easy to do. Continue rinsing. Seek medical attention immediately.

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After ingestion: Rinse mouth and give 1-2 glasses of water to drink. Do not induce vomiting. Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritation of mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Adapt fire extinguishing measures to the surroundings.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

Product is non-combustible

Oxidizing agent, may intensify fire.

Formation of oxygen possible.

Avoid inhalation of smoke and vapours.

5.3 Advice for firefighters

In the event of a fire, a self-contained breathing apparatus and a full protective suit should be worn. Do not inhale vapours and fumes. If safe to do so, remove the container from the hazard area.

Collect contaminated extinguishing water and dispose of it in accordance with regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Advice for non-emergency personnel: Ensure sufficient ventilation. Avoid dust formation.

Avoid skin and eye contact. Use personal protective equipment (see chapter 8).

Advice for emergency responders: Personal protective equipment according to EN 469 is recommended.

6.2 Environmental precautions

Prevent release into sewers, surface water, or groundwater.

6.3 Methods and material for containment and cleaning up

Product can be disposed of by mechanical means. Dispose of product according to chapter 13. Clean spill with water.

6.4 Reference to other sections

Information on safe handling: see chapter 7.

Information on personal protective equipment: see chapter 8.

Information on disposal: see chapter 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide sufficient ventilation at workplace. Avoid dust formation and dust deposition.

Avoid skin and eye contact.

Wash hands thoroughly after handling and before break of work.

Do not eat, drink or smoke when using this product.

Observe skin protection plan.

Precautions against fire and explosions

Keep ignition sources away - do not smoke.

Keep away from combustible materials.

Can intensify fire, oxidizing agent.

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7.2 Conditions for safe storage, including any incompatibilities

Storage:	Store only in original container. Store in a cool place. Do not seal container gas-tight, the product may release gas when warmed. Keep apart from food and feedstuffs.
Advice on storage assembly:	Store apart from strong acids and bases. Store apart from reducing agents. Store apart from combustible materials. Keep away from metal salts.
Storage class:	Class 5 (Oxidizing agents/organic peroxides)

7.3 Specific end use(s)

In addition to chapter 1.2, no further relevant information available.

8. Exposure control and personal protection

8.1 Control parameters

Occupational exposure limit values and/or biological limit values:

Threshold limit values to be monitored at the workplace according to SUVA:					
Designation	CAS-N°	TLV (ppm)	TLV (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Sodium percarbonate	15630-89-4	-	-	-	-
Sodium sulfate	7757-82-6	-	-	-	-
Sodium carbonate	497-19-8	-	-	-	-

General exposure limit value for inhalable dusts (TLV) according to Suva is 10 mg/m³.

General exposure limit value for dust fraction entering alveoli (TLV) according to Suva is 3 mg/m³

8.2 Exposure controls and monitoring

Appropriate engineering controls:

Ensure adequate ventilation, e.g., through local exhaust ventilation.

Individual protective measures, personal protective equipment

Eye / face protection

Safety glasses with side protection (EN 166).

Skin protection

Use protective gloves according to EN 374-3. Glove material: butyl or nitrile caoutchouc, rubber or neoprene.

Please consult also your glove supplier for further information on the appropriate material thickness and breakthrough times for specific applications.

Respiratory protection

Not necessary if sufficient ventilation is provided. For short-term exceedances of the general exposure limits for dust use particle filter P2 or FFP2 according to EN 143.

Body protection

Standard work clothing.

General protective and hygiene measures:

Do not eat, drink or smoke during work.

Keep away from drinks, food and animal feed.

Wash hands before breaks and at the end of work.

Use of skin protection measures in accordance with SUVA Information Sheet 44074 is recommended.

Environmental exposure controls

Ensure compliance with local emission standards. Limit discharge to air, water and soil.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Granules
Colour:	White
Odour:	Odourless
Odour threshold:	No data available
Melting point:	No data available
Boiling point:	No data available
Self-ignition	No data available
Lower / upper explosion limits:	Not applicable
Flashpoint:	> 65 °C
Ignition temperature:	No data available
Decomposition temperature	Not applicable
pH-value (25 °C)	10.6 +/- 2 (10 g/L)
Kinematic viscosity:	Not applicable
Solubility in water:	140 g/L
log K _{ow} :	Not determined
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density (20 °C)	2.01 – 2.16
Particle characteristics:	No data available

9.2 Other information

Active oxygen content	~ 13.5 %
Density of granulate	900 – 1'200 kg/m³

10. Stability and reactivity

10.1 Reactivity

The product is stable when used and stored according to the manufacturer's instructions for use (see chapter 7).

10.2 Chemical stability

Thermal decomposition at > 65 °C (exothermic reaction).

10.3 Possibility of hazardous reactions

The product reacts with acids, bases, reduction agents, metal salts.

10.4 Conditions to avoid

Protect from heat and direct sunlight. Avoid air moisture and water.

10.5 Incompatible materials

Acids and bases.
Metal salts
Reducing agents

10.6 Hazardous decomposition products

Product can release oxygen.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

For ingredients according to ECHA

Designation	CAS-N°	LD ₅₀ oral (test organism)	LD ₅₀ dermal (test organism)	LC ₅₀ inhalation (test organism)
Sodium percarbonate	15630-89-4	893 mg/kg bodyweight (rat)	2'000 mg/kg bodyweight (rabbit)	No data available
Sodium sulfate	7757-82-6	2'000 mg/kg bodyweight (rat)	No data available	2.4 mg/L air (rat; 4 h)
Sodium carbonate	497-19-8	2'800 mg/kg bodyweight (rat)	2'000 mg/kg bodyweight (rabbit)	2.3 mg/L air (rat; 2 h)

For product:

No information available.

Skin corrosion / irritation:

The product is not classified. Does not cause skin corrosion / irritation.

Serious eye damage / eye irritation

The mixture is classified. May cause serious eye damage.

Respiratory or skin sensitization

The product is not classified. Does not cause respiratory and skin sensitization.

Germ cell mutagenicity

The product is not classified. The product does not contain substances classified as mutagenic.

Carcinogenicity

The product is not classified. The product does not contain substances classified as cancerogenic.

Reproductive toxicity

The product is not classified. The product does not contain substances classified as toxic for reproduction.

Specific target organ toxicity, repeated exposure

The product is not classified. Does not cause specific target organ toxicant after repeated exposure.

Specific target organ toxicity, single exposure

The product is classified. May be organ toxic if swallowed.

Aspiration hazard

The product is not classified. The product does not contain any substances classified as aspiration hazard.

11.2 Information on other hazards

Endocrine disruption properties

This mixture does not contain any components with endocrine disrupting properties in concentrations $\geq 0.1\%$, as defined in Article 57(f) of the REACH Regulation or in Delegated Regulations (EU) 2017/2100 and (EU) 2023/707. Therefore, no health-relevant effects due to endocrine disrupting properties are present.

Other information

Not known.

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12. Ecological information

12.1 Ecotoxicity For ingredients: according to ECHA.

Designation	CAS-N°	Indicator	Value
Sodium percarbonate	15630-89-4	LC50 (96 h) fish	70.7 mg/L
		LC50 (48 h) aquatic invertebrates	4.9 mg/L
		EC50 aquatic algae and cyanobacteria	no data available
Sodium sulfate	7757-82-6	LC50 96 days) fish	7.96 - 13.5 g/L
		EC50 (48 h) aquatic invertebrates	3.15 g/L
		EC50 (5 days) aquatic algae and cyanobacteria	1.9 g/L
Sodium carbonate	497-19-8	LC50 (96 h) fish	300 mg/L
		EC50 (48 h) aquatic invertebrates	200 - 227 mg/L
		EC50 (72 h) aquatic algae and cyanobacteria	800 mg/L

For product:

No data available.

12.2 Persistence and degradability

Abiotic degradation by hydrolysis and reduction.

The surfactants contained in the product are biodegradable in accordance with the requirements of Regulation (EC) No 648/2004. Data supporting this property are held at the disposal of the competent authorities of the Member States and will be made available to them upon direct request or at the request of a detergent manufacturer.

12.3 Bio accumulative potential

No evidence for bioaccumulation.

12.4 Mobility in soil

Not applicable, will dissociate in the environment.

12.5 Results of PBT and vPvB assessment

The mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

This mixture does not contain any components with endocrine disrupting properties in concentrations $\geq 0.1\%$, as defined in Article 57(f) of the REACH Regulation or in Delegated Regulations (EU) 2017/2100 and (EU) 2023/707. Therefore, no environmentally relevant effects due to endocrine disrupting properties are present.

12.7 Other adverse effects

Water hazard class 1 (self-classification): slightly hazardous to water

Avoid release into the environment. Do not discharge undiluted or in large quantities into water bodies or the sewage system.

13. Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with official regulations.

Do not dispose of with household waste. Do not release into the sewage system

Product (pure product, empty and partly emptied containers)

Dispose of as hazardous waste.

Waste disposal code:

Ordinance on the movement of waste SR 814.610:

20 01 29

[S] detergents containing dangerous substances

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Absorbing agents polluted with product:

Dispose of as hazardous waste.

Waste disposal code:

Ordinance on the movement of waste SR 814.610:

15 02 02

[S] absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

14. Transport information

The product is classified as dangerous good according to transport regulations.

14.1 UN Number

UN 3378

14.2 UN proper shipping name

SODIUM CARBONATE PEROXYHYDRATE

14.3 Transport hazard class

ADR / RID / IMDG-Code / IATA-Dangerous Goods Regulations

5.1 (O2): Oxidizing substances

14.4 Packing group

III

14.5 Environmental hazards

Label environmentally hazardous substances

None

14.6 Special precautions for user

Limited quantity LQ: 1 kg

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Pollution category (X, Y or Z): -

Ship type (1, 2 or 3): -

15. Regulatory information

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

Water hazard class according to AwSV:

Water hazard class 1 (self-classification): slightly hazardous to water

Chemicals Ordinance (ChemO) SR 813.11:

Group according to Art. 61 ChemO: No group.

Major Accident Ordinance SR 814.012:

Quantity threshold: 20'000 kg

Guidelines to the WBF-Ordinance on Hazardous Work for Young Persons (SR 822.115.2):

No restrictions

Maternity Protection Ordinance SR 822.111.52:

No restrictions.

Restrictions according to Chemical Risk Reduction Ordinance (ORRChem) SR 814.81:

Textile detergent (annex 2.1), ingredients, 64812004/EG: $\geq 30\%$ Oxygen based bleaching agents, 5 - $<15\%$ anionic surfactants, 5 - $<15\%$ soap

VOC-Ordinance (OVOC) SR 814.018:

VOC-content: 0%.

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15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out for this product.

16. Other information

Changes made since last edition
General actualisation, all chapters.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par route

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen vom 18. April 2017.

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of Chemicals

EC: effect concentration

ECHA: European Chemicals Agency.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC: lethal concentration

MAC: maximum admissible concentration at workplace

NOEC: No Observed Effect Concentration

PBT: persistent, bioaccumulative, toxic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

vPvB: very persistent, very bioaccumulative

VOC: volatile organic compounds

STEL: Short term exposure limit

Key literature references and sources of data

MSDS Natriumpercarbonat (Granulat), Evonik Treibacher GmbH, Version 14, 11.03.2019

ECHA, International Online Chemical Information Database.

Suva TLV Information Database.

Methods in accordance with article 9 of Regulation (EC) No 1272/2008 [CLP] applied for the evaluation of hazard information for substances and mixtures:

Additivity principle according to Annex 1, 3.3.3.3; Calculation methods according to Annex 1, 2.6.4.3.

Full text of Statements referred to under sections 2 – 15:

H272: May intensify fire, oxidiser.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves, protective clothing, eye protection

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P370+P378: In case of fire use water to extinguish.

P411: Store at temperatures not exceeding 40 °C.

Training instructions

Employees must be regularly trained in the safe handling of the products based on the information in the safety data sheet and the local conditions of the workplace. National regulations on the training of employees in the handling of hazardous substances must be observed.

Further information

The information in this Safety Data Sheet is based on our current knowledge and complies with national and EU regulations. However, we have no control over the specific working conditions of the user. The user is responsible for ensuring compliance with all applicable legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute a guarantee of product properties.