

## GRAN PRES AGD

### Safety Data Sheet

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

- 1.1 Product identifier:** GRAN PRES AGD
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Powder used for cleaning coffee machines.
- 1.3 Details of the supplier of the safety data sheet:**  
  
TENZI Sp. z o.o.  
Skarbimierzyce 20  
72-002 Dołuje  
tel. +48 91 3119777  
fax. +48 91 3119779  
E-mail address for a competent person responsible for SDS: [technolog@tenzi.pl](mailto:technolog@tenzi.pl)
- 1.4 Emergency telephone number:**  
+48 91 31 19 777 (mon. - fri. 8am - 4pm) or 112.

#### SECTION 2. HAZARDS IDENTIFICATION

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

**Classification according to Regulation (EC) No. 1272/2008:**

- Ox. Sol. 2 H272** – May intensify fire; oxidiser.  
**Acute Tox. 4 H302** – Harmful if swallowed.  
**Eye Dam. 1 H318** – Causes serious eye damage.

**2.2. Label elements:**  
(According to 1272/2008/EC\*)

**Hazard symbols:**



**Signal words:**  
DANGER

**Hazard statements:**

- H272** – May intensify fire; oxidiser.  
**H302** – Harmful if swallowed.  
**H318** – Causes serious eye damage.

**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/face 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.  
**P310** – Immediately call a POISON CENTER/doctor

## GRAN PRES AGD

### Safety Data Sheet

#### 2.3. Other hazards:

Substance does not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Substances:

Not applicable.

#### 3.2. Mixtures:

##### Composition (according to: 648/2004/EC):

- > 30% bleaching agents based on oxygen
- < 10% sodium carbonate
- auxiliary substances not classified as dangerous

Identification	Hazardous ingredient/classification	Concentration
CAS: 15630-89-4 WE: 239-707-6 Index: Not applicable Registration: 01-2119457268-30-XXXX	<b>Sodium percarbonate</b>  Ox. Sol. 2 H272, Acute Tox. 4 H302, Eye Dam 1 H318	< 90%
CAS: 497-19-8 WE: 207-838-8 Index: 011-005-00-2 Registration: 01-2119485498-19-XXXX	<b>Sodium carbonate</b>  Eye Irrit. 2 H319	< 10%

The full texts of H symbols and phrases are in section 16.

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures:

##### Inhalation:

In case of inhalation poisoning symptoms (cough, dyspnea, dizziness) move the injured to fresh air. Get medical attention if needed.

##### Skin contact:

If product comes in contact with the skin, immediately remove all contaminated clothing and flush exposed area with large amounts of water. In case of skin changes or burns, get medical attention.

##### Eye contact:

Flush eyes with running water (at least 15 minutes) while keeping eyelids open. Get medical attention.

##### Ingestion:

Wash your mouth with running water. Drink about 1-2 liters of fresh water and do not induce vomiting. Get medical attention and show them this SDS or product's label.

#### 4.2. Most important symptoms and effects, both acute and delayed:

##### Inhalation:

May cause irritation of nose and throat when working with this product in a room without ventilation. In higher concentrations may cause coughing.

## GRAN PRES AGD

### Safety Data Sheet

**Skin:**

May cause skin irritation.

**Eyes:**

Causes severe eye damage.

**Ingestion:**

Harmful after swallowing. May cause vomiting and diarrhea.

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

Get medical attention.

Fresh water and eye-wash preparations must be available on the worksite.

### SECTION 5. FIREFIGHTING MEASURES

**5.1. Extinguishing media:****Suitable extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and surrounding environment. Atomized water, foam resistant to alcohol, extinguishing powder, carbon dioxide.

**Unsuitable extinguishing media:**

Do not use water jet on substance's surface.

**5.2. Special hazards arising from the substance or mixture:**

Oxygen which decomposes from the product may sustain fire.  
Do not store with flammable materials, because it may cause fire  
Product may explode from sources of heat and contamination.  
During fire, product may release carbon dioxide, carbon monoxide and sodium oxide.

**5.3. Advice for firefighters:**

Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire, warn the people nearby and evacuate unprotected and untrained personnel from hazard area. Notify relevant emergency services. If possible, remove the containers away from the influence of fire and high temperature. Water may be used to keep fire-exposed containers cool until fire is out. The after burning residues should be removed

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Protective chemical-proof gloves (0.11 mm thick), self-contained breathing apparatus, safety glasses.

**For emergency responders:**

Protective clothes, protective chemical-proof gloves (0.11 mm thick), self-contained breathing apparatus, safety glasses. Avoid skin and eye contact. Provide proper ventilation.

**6.2. Environmental precautions:**

Avoid discharging the product into sewage system and onto the ground at all costs.

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

In case of unexpected release of the substance into the environment, inform appropriate services about the emergency and

## GRAN PRES AGD

### Safety Data Sheet

remove any source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible, confine and contain the spill by closing the flow of the liquid, plug the damaged container and put it into leakproof wrapping. For a larger spill, make a dike around the outside edges of the spill and use absorbent materials (sand, sawdust, minced limestone). Store clean-up materials for disposal as hazardous waste. Decontaminate polluted area with water.

#### 6.4. Reference to other sections:

See section 8 and 13.

### SECTION 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling:

Be careful when working with this product.  
Use personal protection recommended in section 8  
Mix only with water. DO NOT mix with any other chemical substances.  
People with skin allergy or respiratory system problems should not have contact with this product.  
Avoid risk – read this instruction sheet carefully before using the product.  
After usage, keep container tightly closed and keep it away from unauthorized people.  
Use only adequate ventilation to avoid inhalation poisoning.

#### 7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed, original plastic container. Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor.  
DO NOT expose the product to sunlight and keep away from heat, sparks, flame and source of ignition.

#### 7.3. Specific end use(s):

No data available.

### SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

#### 8.1. Control parameters:

Please check any national occupational exposure limit values in your country.

**NDS/NDSch/NDSP values for individual chemical substances (according to SDS or Chemical Safety Report):**

**Sodium percarbonate (data for highly concentrated substance):**

**NDS, NDSCh, NDSP:** not identified.

**Sodium carbonate (data for highly concentrated substance):**

**NDS:** 10 mg/m<sup>3</sup>  
**NDSch:** not identified.  
**NDSP:** not identified.

**DNEL /PNEC values for individual chemical substances (according to SDS or Chemical Safety Report):**

**Sodium percarbonate (data for highly concentrated substance):**

**DNEL, PNEC:** not identified.

**Sodium carbonate (data for highly concentrated substance):**

In contact with body fluids, sodium carbonate dissociates.  
In case of small dose (orally), stomach acid neutralizes the substance.

## GRAN PRES AGD

### Safety Data Sheet

**NOTE:** When the concentration of substance is known, personal protective equipment should be chosen based on substance concentration in a workplace, exposure time and operations performed by the employee. In emergency situations, if substance concentration in the workplace is unknown, personal protection of highest class level should be used.

#### 8.2. Exposure controls:

##### RESPIRATORY PROTECTION:

In case of insufficient ventilation, it is recommended to wear a gas mask with vapour absorber.

##### HAND PROTECTION:

Protective chemical-proof gloves (0.11 mm thick)

##### EYE/FACE PROTECTION:

Safety glasses. In case of contact with skin, use face shield.

##### SKIN PROTECTION:

Protective clothes.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties:

<b>Appearance:</b>	Powder
<b>Odour:</b>	None
<b>Odour threshold:</b>	No data available
<b>pH:</b>	12 ± 1 (1% water solution)
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Initial boiling point:</b>	No data available
<b>Boiling range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Upper explosive limit:</b>	No data available
<b>Lower explosive limit:</b>	No data available
<b>Vapour pressure:</b>	No data available
<b>Vapour density:</b>	No data available
<b>Relative density:</b>	1.060 ± 0.020 g/cm <sup>3</sup>
<b>Solubility:</b>	
<b>A) Water:</b>	soluble
<b>B) Organic solvent:</b>	No data available
<b>Partition coefficient N-Octan:</b>	No data available
<b>Partition coefficient Water:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidising properties:</b>	No data available

#### 9.2. Other information:

## GRAN PRES AGD

### Safety Data Sheet

**Refractive index:** No data available Brix\*  $\pm$  5%

\* - Degrees Brix is the content of an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percentage by weight (%w/w).

#### SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:**

Oxidizers.

**10.2 Chemical stability:**

Stable under recommended storage conditions (see section 7).

**10.3 Possibility of hazardous reactions:**

May create or intensify fire – oxidizer.

**10.4 Conditions to avoid:**

Avoid exposure to sunlight, temperature above 60°C and humidity.

**10.5 Incompatible materials:**

Water, strong acids, metal salts, reducing agents, organic substances, powdered metals, flammable substances.

**10.6 Hazardous decomposition products:**

May decompose in a temperature above 50°C. Creates sodium carbonate and hydrogen peroxide.

#### SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

**ACUTE TOXICITY:**

**Inhalation:**

May cause irritation of nose and throat when working with this product in a room without ventilation. In higher concentrations may cause coughing.

**Skin:**

May cause skin irritation.

**Eyes:**

Causes severe eye damage.

**Ingestion:**

Harmful after swallowing. May cause vomiting and diarrhea.

**DETAILS OF PARTICULAR COMPONENTS (according to substances SDS):**

**Sodium percarbonate (data for highly concentrated substance):**

**LC50:** 1034-2000 mg/kg (rat, orally)

## GRAN PRES AGD

### Safety Data Sheet

**LC50:** > 2000 mg/kg (rabbit, dermal)  
**LD50:** > 4580 mg/kg (rat, inhalation)

Causes skin irritation and strong eye irritation.  
Swallowing causes vomiting, nausea, burns in stomach.  
No allergic and mutagenic effects.

#### **Sodium carbonate (data for highly concentrated substance):**

**LD50:** > 2000 mg/kg (rat, orally)  
**LC50:** 2300 mg/kg (rat, inhalation)  
**LD50:** 2000 mg/kg (rabbit, dermal)

Causes eye irritation (rabbit, OECD 405).  
Doesn't cause skin irritation.

#### **Chronic toxicity:**

**NOAEL:** 0.07 mg/l (rat, lungs)

No mutagenic effects.

#### **Teratogenicity:**

**NOAEL:** 179 mg/kg/10days (various species, orally)

No teratogenic effects.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity:

#### **Data for the mixture ingredients:**

#### **Sodium percarbonate (data for highly concentrated substance):**

**LC50:** 70.7 mg/l/96h (Pimephales promelas)  
**EC50:** 4.9 mg/l/48h (Daphnia magna)  
**EC50:** 8 mg/l/40h (Anabaeba)

#### **Sodium carbonate (data for highly concentrated substance):**

**LC50:** 300 mg/l/96h (fish, *Leoponis macrochirus*)  
**EC50:** 200-227 mg/l/48h (crustaceans, *Ceriodaphnia dubia*)

In accordance with section I, appendix XI of the REACH, testing is not needed, because in aquatic environment, sodium carbonate exists in a dissociated form.

### 12.2. Persistence and degradability:

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

#### **Data for the mixture ingredients:**

#### **Sodium percarbonate (data for highly concentrated substance):**

Sodium percarbonate dissociates into hydrogen peroxide and sodium carbonate.  
Hydrogen peroxide quickly degrades in biological sewage plants. (OECD SIDS).

## GRAN PRES AGD

### Safety Data Sheet

**Sodium carbonate (data for highly concentrated substance):**

Inorganic substance.

**12.3. Bioaccumulative potential:**

**Sodium percarbonate (data for highly concentrated substance):**

Both hydrogen peroxide and sodium carbonate are inorganic. They are not bioaccumulative. (OECD SIDS).

**Sodium carbonate (data for highly concentrated substance):**

In accordance with section I, appendix XI of the REACH, testing is not needed, because in aquatic environment, sodium carbonate exists in a dissociated form.

**12.4. Mobility in soil**

**Sodium percarbonate (data for highly concentrated substance):**

Evaporation of hydrogen peroxide from surface waters and humid ground is very low, while it's very active in soil. (OECD SIDS).

**Sodium carbonate (data for highly concentrated substance):**

In accordance with section I, appendix XI of the REACH, testing is not needed, because in aquatic environment, sodium carbonate exists in a dissociated form.

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

This substance/mixture does not meet the PBT and vPvB criteria of REACH, annex XIII..

**12.6. Other adverse effects:**

No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

**RESIDUES AND WASTES:**

DO NOT mix with other liquid wastes.

DO NOT empty into sewage system. Product should be totally used up according to its description.

If it's impossible to do so, dispose of this material and its container at hazardous or special waste collection point.

**13.1. Waste treatment methods:**

Contaminated containers should be completely emptied. Several times rinse the container promptly after emptying. Empty container can be stored in containers for collection of plastic packaging, or can be delivered to specialized company for recycling.

Disposal should be in accordance with the national/international regulations.

### SECTION 14. TRANSPORT INFORMATION

**TRADE NAME: GRAN PRES AGD**

<b>14.1. UN Number:</b>	3378
<b>14.2. UN proper shipping name:</b>	SODIUM CARBONATE PEROXYHYDRATE
<b>14.3. Transport hazard class(es):</b>	ADR class. 5.1, classification code O2
<b>14.4. Packing group:</b>	II
<b>14.5. Environmental hazards:</b>	No.
<b>14.6. Special precautions for user:</b>	For more details see Sections 6 and 8.



## GRAN PRES AGD

### Safety Data Sheet

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.

#### WARNING LABELS



### SECTION 15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

DIRECTIVE 2008/112/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Council Directives 76/768/EEC, 88/378/EEC, 1999/13/EC and Directives 2000/53/EC, 2002/96/EC and 2004/42/EC of the European Parliament and of the Council in order to adapt them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

COMMISSION REGULATION (EU) No 758/2013 of 7 August 2013 correcting Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 2014/27/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 amending Council Directives 92/58/EEC, 92/85/EEC, 94/33/EC, 98/24/EC and Directive 2004/37/EC of the European Parliament and of the Council, in order to align them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors.

#### 15.2. Chemical safety assessment

##### For mixture:

A Chemical Safety Assessment has not been carried out.

##### For following mixture substances:

**Sodium percarbonate:** A Chemical Safety Assessment has been carried out.

## GRAN PRES AGD

### Safety Data Sheet

**Sodium carbonate:** A Chemical Safety Assessment has been carried out.

#### SECTION 16. OTHER INFORMATION

Information above is based on current knowledge of product in its current form.

All data are presented in order to take into account safety requirements priority and not to guarantee special properties of the product. If product usage conditions are not under manufacturer control, responsibility for safe use lies with the person that uses them. The employer is obliged to inform all employees, who have contact with the product, about the risk and safety measures specified in the data sheet. Safety data presented above were prepared based on safety characteristics of substances used by the producer to compose the product and based on regulations for handling dangerous substances and their preparation. Classification of chemical mixture was done with calculation methods, based on the content of hazardous ingredients.

**The full list of symbols and H phrases from Section 2 and 3:**

- Ox. Sol. 2** – Oxidizing solid substance, category 2  
**Acute Tox. 4** – Acute toxicity, category 4.  
**Eye Dam. 1** – Serious eye damage, category 1.  
**Eye Irrit. 2** – Causes serious eye irritation, category 2.

- H272** – May intensify fire; oxidiser.  
**H302** – Harmful if swallowed.  
**H318** – Causes serious eye damage.  
**H319** – Causes serious eye irritation.

More information on the product can be found on the specific technical data sheet which is available on [www.tenzi.pl](http://www.tenzi.pl)

**Training:**

Course participants should be trained about how to handle this hazardous substance, about safety and work hygiene. Drivers should also be trained and obtain proper certification in accordance with the ADR requirements.

**Expiry date:**

36 months from the production date (if product is stored according to the producent recommendations)

**Changes compared to the previous version:**

- section: 14, 15

Updated cards versions are now available on [www.tenzi.pl](http://www.tenzi.pl)

This Safety Data Sheet contains 10 pages. Changes in the content by unauthorized people is prohibited.