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	Issue date: 15-02-2021
<b>Coffee machine cleaner</b>	
	According to Regulation (EC) 1907/2006

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

### 1.1 Product identifier

Trade name : Coffee machine cleaner  
 Synonyms : Art. 976753

Unique formula identifier (UFI) : TYUX-882J-X003-409E

### 1.2 Relevant identified uses and uses advised against

Relevant identified uses : Rinsing and cleaning product: Cleaning agent, alkaline  
 Uses advised against : No information available.

### 1.3 Details of the supplier of the safety data sheet

Supplier : Hendi BV, Innovatielaan 6, 6745 XW De Klomp, The Netherlands  
 tel: +31 (0)317 681040  
 info@hendi.eu  
 www.hendi.eu

1.4 Emergency telephone number : +49(0)160-92250872

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### CLP Regulation (EC 1272/2008)

Hazard categories:  
 Acute toxicity: Acute Tox. 4  
 Serious eye damage/eye irritation: Eye Dam. 1  
 Hazard Statements:  
 Harmful if swallowed.  
 Causes serious eye damage.

### 2.2 Label elements

CLP Regulation (EC 1272/2008)

Hazard components for labelling: Sodium percarbonate

Pictogram(s) : GHS05



GHS07



Signal word : Danger

Hazard statement(s) : H302 Harmful if swallowed.  
 H318 Causes serious eye damage.

Precautionary statement(s) : P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P280 Wear eye protection/face protection.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 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.

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**2.3 Other hazards**

: Further Information: Restricted to professional users. Safety data sheet available for professional user on request. Notice the directions for use on the label. To avoid risks to man and the environment, comply with the instructions for use.

Labelling for contents according to regulation (EC) No. 648/2004: > 30% oxygen-based bleaching agents.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1 Substance**

: Not relevant

**3.2 Mixture:**

Chemical name	CAS number	EC number Index nr	Registration nr	%	Hazard statements
Sodium carbonate	497-19-8	207-838-8 011-005-00-2	-	> 30	Eye Irrit. 2; H319
Sodium percarbonate	15630-89-4	239-707-6	-	> 30	Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318

Full text of H and EUH statements: see section 16.

**SECTION 4. FIRST AID MEASURES**
**4.1 Description of first aid measures**
**General**

: Remove contaminated, saturated clothing immediately. Avoid dust formation. If major quantity of dust is swallowed or inhaled, immediately drink: Water.

**Inhalation**

: Following inhalation: Move victim to fresh air. Consult physician.

**Contact with skin**

: After contact with skin, wash immediately with: Water. In case of skin irritation, seek medical treatment.

**Contact with eyes**

: If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**Ingestion**

: Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Seek medical attention immediately.

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

Unspecified.

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

Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**
**5.1 Extinguishing media**
**Suitable extinguishing media**

: Water spray jet / Alcohol resistant Foam / Carbon dioxide (CO<sub>2</sub>) / Dry extinguishing powder / Extinguishing powder. Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

: Full water jet.

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

: In case of fire may be liberated:  
Gas/vapours, harmful.

**5.3 Advice for firefighters**

: In case of fire: Wear self-contained breathing apparatus.  
**Additional information:** Contaminated fire-fighting water must not get into the sewerage network.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**
**6.1 Personal precautions, protective equipment & emergency procedures:**

Avoid dust formation. Wear personal protection equipment.

**6.2 Environmental precautions**

: Do not allow to enter into surface water or drains.

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

: Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

**6.4 Reference to other sections**

: For handling and storage – section 7.  
For personal protection - section 8.  
Disposal - section 13

**SECTION 7. HANDLING AND STORAGE**
**7.1 Precautions for safe handling**

: Advice on safe handling: It is recommended to design all work processes always so that the following is excluded: inhalation, skin contact, eye contact.  
Advice on protection against fire and explosion: No special precautionary measures are necessary.  
Further information on handling: Notice the directions for use on the label.

**7.2 Conditions for safe storage**

: Requirements for storage rooms and vessels: Keep only in the original container in a cool, well-ventilated place.  
Further information on storage conditions: Keep the packing dry and well-sealed to prevent contamination and absorption of humidity.

**7.3 Specific end use(s) : SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**8.1 Control parameters**

Additional advice on limit values: To date, no national critical limit values exist.

**8.2. Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Protective and hygiene measures**

Do not eat, drink, smoke or snort at the workplace.

Keep away from: foodstuffs, animal feed.

Avoid dust formation.

**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses.

**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Suitable material: NBR (Nitrile rubber). Breakthrough time (maximum wearing time): 480 min.

Thickness of the glove material : 0,11 mm

**Skin protection**

Body protection: not required.

**Respiratory protection**

Respiratory protection necessary at: Handling larger quantities.

**Environmental exposure controls**

Do not allow uncontrolled leakage of product into the environment.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**

Physical state:	powder
Colour:	white
Odour:	characteristic
pH-Value (at 20°C):	in 1% solution 10

**Changes in the physical state**

Melting point:	not relevant
Initial boiling point and boiling range:	not relevant
Sublimation point:	not relevant
Softening point:	not relevant
Flash point:	not relevant

Explosive properties:	not explosive
Lower explosion limits:	not relevant
Upper explosion limits:	not relevant

**Auto-ignition temperature**

Solid:	not relevant
Gas:	not relevant

Oxidizing properties:	UN Test O.1: Test for oxidizing solids: Not oxidizing.
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Vapour pressure:	not relevant
Density:	not relevant
Bulk density:	not relevant
Water solubility:	easily soluble

Solubility in other solvents:	not determined
Partition coefficient:	not relevant
Viscosity / dynamic:	not relevant
Viscosity / kinematic:	not relevant
Flow time:	not relevant
Vapour density:	not relevant
Evaporation rate:	not relevant
Solvent separation test:	not relevant
Solvent content:	not relevant

**9.2. Other information**

Solid content: 100,00%

**SECTION 10. STABILITY AND REACTIVITY**

- 10.1 Reactivity** : When handled and stored in accordance with the regulations, no dangerous reactions occur.
- 10.2 Chemical stability** : The product is chemically stable under recommended conditions of storage, use and temperature.
- 10.3 Possibility of hazardous reactions** : When handled and stored in accordance with the regulations, no dangerous reactions occur.
- 10.4 Conditions to avoid** : Protect against: frost.
- 10.5 Incompatible materials** : Reacts with: Acid. Reducing agents, strong.
- 10.6 Hazardous decomposition products:** No decomposition at storage as agreed and handling.

**SECTION 11. TOXICOLOGICAL INFORMATION**
**11.1 Information on toxicological effects**
**Acute toxicity**

Harmful if swallowed.

Chemical name Exposure route	CAS number	Dose	Species	Source
Sodium carbonate oral	497-19-8	LD50 4090 mg/kg	Rat	IUCLID
Sodium percarbonate oral	15630-89-4	LD50 2400 mg/kg	Rat	ECHA

**Irritation and corrosivity**

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**TOT- single exposure**

Based on available data, the classification criteria are not met.

**STOT- repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity** : No data available

Chemical name Aquatic toxicity	CAS number	Dose	[h] [d]	Species	Source
Sodium carbonate	497-19-8				
Acute fish toxicity		LC50 300 mg/l	96 h	Lepomis macrochirus	
Acute crustacea toxicity		EC50 265 mg/l	48 h	Daphnia magna	IUCLID

**12.2 Persistence and degradability** : The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. The product doesn't contribute to the AOX value of the water.

**12.3 Bio accumulative potential** : No data available.

**12.4 Mobility in soil** : No data available.

**12.5 Results of PBT & vPvB assessment** : The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

**12.6. Other adverse effects** : No data available.

**Further information:** Avoid release to the environment.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods** :

**Disposal recommendations**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Contaminated packaging**

Cleaned containers may be recycled.

**SECTION 14. TRANSPORT INFORMATION**
**Land transport (ADR/RID)**

14.1. UN number: No dangerous good in sense of these transport regulation.  
 14.2. UN proper shipping name: No dangerous good in sense of these transport regulation.  
 14.3. Transport hazard class(es): No dangerous good in sense of these transport regulation.  
 14.4. Packing group: No dangerous good in sense of these transport regulation.

**Inland waterways transport (ADN)**

14.1. UN number: No dangerous good in sense of these transport regulation.  
 14.2. UN proper shipping name: No dangerous good in sense of these transport regulation.  
 14.3. Transport hazard class(es): No dangerous good in sense of these transport regulation.  
 14.4. Packing group: No dangerous good in sense of these transport regulation.

**Marine transport (IMDG)**

14.1. UN number: No dangerous good in sense of these transport regulation.  
 14.2. UN proper shipping name: No dangerous good in sense of these transport regulation.  
 14.3. Transport hazard class(es): No dangerous good in sense of these transport regulation.  
 14.4. Packing group: No dangerous good in sense of these transport regulation.

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**Air transport (ICAO-TI/IATA-DGR)**

14.1. UN number:	No dangerous good in sense of these transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of these transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of these transport regulation.
14.4. Packing group:	No dangerous good in sense of these transport regulation.

**14.5. Environmental hazards**

Environmentally hazardous: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

**SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]

**National regulatory information**

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

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16. OTHER INFORMATION****16.1 Revision comments**

A vertical line in the left margin indicates that there is a relevant amendment from the previous version.

**16.2 Abbreviations and acronyms used in the safety data sheet**ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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**16.3 References and sources for data** : Safety data sheet manufacturer

#### **16.4 Training advice**

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

#### **16.5 Other information and disclaimer**

All information given in this Safety Data Sheet is exclusively related to the product described and is provided assuming that the product will be used in a way and for the purposes as stated by the manufacturer. The information is based on our present state of knowledge and will be reviewed regularly. This Safety Data Sheet has only been set up with the intention to describe the safety aspects of the product and therefore should not be construed as guaranteeing specific properties of the product of concern or its suitability for a particular application. It is the user's own responsibility to take the precautionary measures described and also to take care that this information is complete and adequate for the use of this product. It is recommended to pass through the information in this Safety Data Sheet, whenever necessary in an adapted form, to all staff and interested parties of concern.

- *Changes, printing and typesetting errors reserved.*