

Safety data sheet	Page: 1 of 8
	Issue date: 15-02-2021
Coffee automat cleaner tabs	
	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 automat cleaner tabs
 Synonyms : Art. 976739

Unique formula identifier (UFI) : XSUX-78PS-A003-TA49

1.2 Relevant identified uses and uses advised against

Relevant identified uses : Cleaning agent.
 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:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye dam. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

2.2 Label elements

CLP Regulation (EC 1272/2008)

Hazard components for labelling:

Sodium percarbonate

Potassium peroxodisulfate.

Pictogram(s) : GHS05



Signal word : Danger

Hazard statement(s) : H315 Causes skin irritation.
 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 protective gloves and eye/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 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.

Coffee automat cleaner tabs

According to: Regulation (EC) 1907/2006

2.3 Other hazards

: Further Information: 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: 5-15% phosphonates. 15-30% 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	-	25-50	Eye Irrit. 2; H319
Sodium percarbonate	15630-89-4	239-707-6	-	10-20	Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318
Citric Acid Monohydrate	5949-29-1	201-069-1	-	5-10	Eye Irrit. 2; H319
Potassium peroxodisulfate	70693-62-8	274-778-7	-	<5	Acute Tox. 4, Skin Corr. 1B, Aquatic Chronic 3; H302 H314 H412

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

No data available.

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 / Foam / Carbon dioxide (CO₂) / Dry extinguishing powder / Extinguishing powder. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

: Full water jet.

Safety data sheet	Page: 3 of 8
	Issue date: 15-02-2021
Coffee automat cleaner tabs	
	According to: Regulation (EC) 1907/2006

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. German Industry Norms (DIN) / European Norms (EN):
DIN EN 166

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. German Industry Norms (DIN) / European Norms (EN): EN ISO 374.

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection necessary at: Handling larger quantities. Combination filter device (DIN EN 141).

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:	solid
Colour:	white
Odour:	odourless
pH-Value (at 20°C):	10%: 10,5

Changes in the physical state

Melting point:	> 100°C
Initial boiling point and boiling range:	no data available
Sublimation point:	no data available
Softening point:	no data available
Pour point:	no data available
Flash point:	no data available

Flammability

Solid:	no data available
Gas:	no data available

Explosive properties:	not explosive
Lower explosion limits:	no data available
Upper explosion limits:	no data available
Ignition temperature:	no data available

Auto-ignition temperature

Solid:	no data available
Gas:	no data available
Decomposition temperature:	no data available

Oxidizing properties:	not relevant
Vapour pressure:	no data available
Density:	not relevant
Bulk density:	not relevant
Water solubility (at 60 °C):	easily soluble

Solubility in other solvents:	not determined
Partition coefficient:	not relevant
Viscosity / dynamic:	no data available
Viscosity / kinematic:	no data available
Flow time:	no data available
Vapour density:	no data available
Evaporation rate:	no data available
Solvent separation test:	not relevant
Solvent content:	not relevant

9.2. Other information

Solid content: not relevant

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** : Do not mix with acids.
- 10.2 Chemical stability** : The product is chemically stable under recommended conditions of storage, use and temperature.
- 10.3 Possibility of hazardous reactions** : No hazardous reaction when handled and stored according to provisions.
- 10.4 Conditions to avoid** : Reacts with: Acid.
- 10.5 Incompatible materials** : Acid. Heavy metals.
- 10.6 Hazardous decomposition products:** No decomposition at storage as agreed and handling.

SECTION 11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
Toxicokinetic, metabolism and distribution

There are no data on the preparation itself.

Acute toxicity

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

There are no data on the preparation itself.

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
Potassium peroxodisulfate oral	70693-62-8	ATE 500 mg/kg		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

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.

Frequently or prolonged contact with skin may cause dermal irritation.

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.

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified.

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste.

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

Coffee automat cleaner tabs

 According to Regulation (EC)
 1907/2006

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

14.5. Environmental hazards

Environmentally hazardous: No

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

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.
 H314 Causes severe skin burns and eye damage.

Safety data sheet	Page: 8 of 8
	Issue date: 15-02-2021
Coffee automat cleaner tabs	
	According: Regulation (EC) 1907/2006

- H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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.*