

**Safety Data Sheet – DS010 Coffee Machine Cleaning tablets**

This safety data sheet complies with REACH and with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC)

1. IDENTIFICATION OF THE PREPARATION & OF THE COMPANY

- 1.1 Identification of the Preparation:  
 1.2 Coffee Machine Cleaning Tablets  
 Synonyms: Home Barista. Halo  
 1.3 REACH: All ingredients in this formulation have been registered (where required) for applicable uses  
 1.4 Company Identification  
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2. HAZARDS IDENTIFICATION



IRRITANT  
 Health: Risk of serious damage to eyes



OXIDISING  
 Physicochemical: Contact with Combustible Material May Cause Fire

Environmental: If handled correctly, the product is harmless to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>REACH No</u>	<u>Range Input %</u>
SODIUM PERCARBONATE (ANHYDROUS)	15630-89-4	239-707-6	O: R8 Xi: R41	01-2119457268-30	30% - 55%
ADIPIC ACID	497-19-8	204-673-3	Xi: R36	01-2119457561-38	20-30%
SODIUM CARBONATE	497-17-8	207-838-8	Xi: R36	01-2119485498-19	10-15%

4. FIRST AID MEASURES

- Eye Contact: Immediately flush with plenty of clean water for at least 15 minutes. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
- Skin Contact: Promptly wash thoroughly with water while removing contaminated clothing. Wash any contaminated clothing well before re-use. If irritation persists, seek medical attention.
- Ingestion: Immediately rinse mouth, then drink plenty of water or milk. Do Not induce vomiting. If necessary, seek medical attention.
- (Cont/d.....)

Inhalation                      Move to fresh air. If irritation persists, seek medical attention.

5            FIRE-FIGHTING MEASURES

- 5.1        Special Fire or Explosion Hazards  
             Product is non flammable
- 5.2        Suitable Extinguishing media  
             To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
- 5.3        Unsuitable Extinguishing media  
             None known
- 5.4        Other Recommendations  
             Wear self-contained breathing apparatus. Keep away from combustible materials.

6            ACCIDENTAL RELEASE MEASURES

Refer to section 8 for personal protection when handling spillages.  
 Any spillages should be cleaned up as soon as possible to prevent contamination with foreign materials with which it may react  
 Handle spillage carefully, do not return spilled material to original container.  
 If tablets are dry and uncontaminated: collect up into heavy duty plastic bag: where possible and suitable, use material as originally intended. Wash away any residues with copious amounts of water.  
 If tablets are contaminated: they should be transferred to waste ground, spread thinly a covered with a thin layer of earth; a smell of chlorine will be noted until the material has degraded. Keep people, vehicles and animals away from the disposal area.  
 If the spillage of tablets is large: (more than 100kg) place into bins lined with polythene bags and eliminate in accordance with locally valid disposal regulations.  
 Environmental considerations: Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

7            HANDLING AND STORAGE

- 7.1        Recommended storage conditions  
 Store away from all incompatibles and combustibles (see Section 10). Store in a cool, dry, well ventilated place. Avoid high humidity levels. Keep away from fire, heat, flame and direct sunlight. Keep in original tightly closed containers. Keep out of reach of children. Never store damp or contaminated material.

8            EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure controls

Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls.

LTEL (8 hour TWA)	ppm	10	µg/m	Total inhalable dust
LTEL (8 hour TWA):	ppm	4	µg/m	Respirable dust (EH40/2005)

- a.        Personal Protection:  
 Avoid contact with eyes, skin and clothing. Avoid breathing any dust.  
 Wash thoroughly after handling.  
 Use protective equipment recommended below.  
 Do not eat, drink or smoke when handling this material.

(Cont/d.....)

- 8.2.1 Respiratory protection: Where any dust in the breathing zone cannot be controlled with ventilation, wear an officially approved respirator (NIOSH/MSHA or equivalent agency) for protection against airborne dust.
- 8.2.2 Eye protection: If airborne dust concentrations are high, wear appropriate protective goggles. Wash eyes with clean water where there is potential eye contact.
- 8.2.3 Skin protection When handling large bulk quantities wear protective Gloves (e.g. chemical resistant; also consider own risk assessment).
- 8.3 Engineering Controls: Use local exhaust ventilation where appropriate.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Tablets
Colour:	White
Odour	Minimal
Flash point:	Not applicable
Flammability (solid, gas):	Non flammable
Solubility in water:	Soluble
Explosive properties:	Not explosive

10 STABILITY AND REACTIVITY

- 10.1 Conditions to Avoid  
 Heat and direct sunlight and away from combustible material, moisture and water.
- 10.2 Materials to Avoid  
 The product is incompatible with acids, oxidising and reducing agents, heavy metal salts, flammable materials.
- Hazardous Reactions  
 Reacts with moisture and incompatible materials.

11 TOXICOLOGICAL INFORMATION Routes of

entry:	Inhalation, and ingestion
Inhalation:	The product may be irritating to the respiratory system.
Ingestion:	Unlikely to cause problems
Skin & Eye Contact:	The product is irritant to eyes and may be irritating to skin.
Toxicology:	Acute toxicity Oral LD 50 (rat) > 2000mg/kg (derived from ingredients)

12 ECOLOGICAL INFORMATION

Aquatic toxicity: LC <sub>50</sub> (Aquatic organisms):	No data available
Biodegradability:	Biodegradable (derived from ingredients)
	Do not discharge into lakes, ponds, streams or public water unless in accordance with the permit of official regulations

13 DISPOSAL CONSIDERATIONS

Refer to Section 6, then:- Disposal should be undertaken in accordance with all official regulations. If material is dry, incineration is recommended.

(Cont/d.....)

14 TRANSPORT INFORMATION

*UN Number* UN 1479  
*Packing Group* III  
*ADR/RID* 5.1/III  
*IMDG* 5.1/1479/III  
*Proper shipping name* OXIDISING SOLID, N.O.S. (SODIUM CARBONATE  
 PEROXYHYDRATE)

*Marine Pollutant: The product is not classified as an aqueous pollutant for transport.*

**IMDG:**

Marine pollutants packaged in single or combination packaging's containing a net quantity per single or inner packaging having a net mass per single or inner packaging of 5 Kgs or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packaging's meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.8.

**ADR/IATA:**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s sodium carbonate peroxyhydrate

Class: 9 – Miscellaneous Dangerous Substances and articles

Mark: MARINE POLLUTANT

Packing Group: 111

When packed in inner or single packs ≤ 5 kg, Special Provision 375 of 2015 UN Model Regulations for the transportation of dangerous goods (IATA Special Provision A197) exempts this product from the labelling and documentation provisions of Dangerous Goods Regulations.

15 REGULATORY INFORMATION

Label for supply: OXIDISING; IRRITANT (for CLP/GHS Symbols, see 2 above)

Risk Phrases: R8: Contact with combustible material may cause fire

R41: Risk of serious damage to eyes

Safety phrases: S2: Keep out of reach of children.

S17: Keep away from combustible material.

S25: Avoid contact with eyes.

S39: Wear eye/face protection.

**Regulatory References:**

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16 OTHER INFORMATION

**NOTE:** The information herein is presented in good faith and believed to be correct at the date prepared however no warranty or representation expressed or implied is made as to the accuracy or completeness of the foregoing data and safety information or continuing accuracy of this data, Information is supplied on the condition that the persons receiving same will make their own determination as to the completeness and accuracy, safety and suitability for their purposes prior to use. In no event will Maclin Group be responsible for damages of any nature whatsoever resulting from the use or reliance of this data. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product. END

Issued: 10/05/2021 Rev [4]

(Previous Rev. 3: 10<sup>th</sup> Oct 2020)