

NowBrew Espresso Machine Cleaning Tablets

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 1/16/2026 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : NowBrew Espresso Machine Cleaning Tablets

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : General Cleaner

1.4. Supplier's details

National Chemicals Inc
135 Rice Street
Lewiston, MN 55952
T 800-533-0027
info@NationalChemicals.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 15327
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.
Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H319 - Causes serious eye irritation
Precautionary statements (GHS US) : Wash hands, forearms and face thoroughly after handling.
Wear protective gloves, protective clothing, eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

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2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Sodium bicarbonate	CAS-No.: 144-55-8	30 – 60	Eye Irrit. 2A, H319
Sodium Percarbonate	CAS-No.: 15630-89-4	10 – < 25	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium carbonate	CAS-No.: 497-19-8	7 – 13	Eye Irrit. 2A, H319
Benzenesulfonic acid	CAS-No.: 68081-81-2	5 – 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Sodium Phosphate Tribasic	CAS-No.: 7601-54-9	5 – 10	Eye Irrit. 2A, H319

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Causes serious eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : If exposed or concerned, get medical advice and attention.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all personal contact including breathing in the dust. Do not take actions involving personal risks. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Avoid contact with skin and eyes. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.

For emergency responders

Protective equipment : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate personnel to a safe area. Do not touch or walk on the spilled product. Ventilate area. Eliminate ignition sources.

Environmental precautions : Avoid release to the environment. Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it. Avoid dust formation.
Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Decontaminate surfaces and equipment with water. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Notify authorities if product enters sewers or public waters.

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For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Take precautionary measures against static discharge.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container closed when not in use.
- Incompatible materials : Alkalis. Acids. Reducing agents.
- Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear protective clothing. Body protection should be chosen depending on activity and possible exposure

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

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Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: Round tablet.
Color	: White
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: Not applicable
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Reacts with: water. acids.

10.4. Conditions to avoid

Incompatible materials. Direct sunlight. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Acids. Alkalis. Reducing agents.

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon monoxide. Carbon dioxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Sodium bicarbonate

LD50 oral rat	> 4000 mg/kg body weight
LD50 oral	7334 mg/kg
LD50 dermal	2500 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	5.33 mg/l/4h

Sodium carbonate

LD50 oral rat	2800 mg/kg
LD50 oral	2800 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.2 mg/l

Sodium Percarbonate

LD50 oral rat	1034 mg/kg
LD50 dermal rabbit	> 2000 mg/kg body weight

Benzenesulfonic acid

LD50 oral rat	> 1000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Sodium Phosphate Tribasic

LD50 oral rat	> 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 0.83 mg/l air

Skin corrosion/irritation : Not classified

Sodium bicarbonate

pH	8.3
Skin corrosion/irritation, rabbit	Slight irritation (Resolved in 48 hours)

Sodium carbonate

pH	11.5
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Sodium Percarbonate

Additional information	Not irritating when applied to human skin
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Serious eye damage/irritation : Causes serious eye irritation.

Sodium bicarbonate	
pH	8.3
Serious eye damage/irritation, rabbit	Mildly irritating
Sodium carbonate	
pH	11.5
Additional information	Severely irritating to rabbits on ocular application
Sodium Percarbonate	
Serious eye damage/irritation, rabbit	Corrosive to rabbits on ocular application
Specific concentration limits	Eye Irrit. 2; : 7.5 % ≤ C < 25 % Eye Dam. 1; : C > 25 %
Sodium Phosphate Tribasic	
Serious eye damage/irritation, rabbit	Irritating to eyes

Respiratory or skin sensitization : Not classified

Sodium Percarbonate	
Additional information	Does not cause cutaneous sensitization for guinea-pigs

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Benzenesulfonic acid	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified

Sodium bicarbonate	
NOAEL (oral, rat, 90 days)	6400 mg/kg body weight

Sodium Phosphate Tribasic	
NOAEL (oral, rat, 90 days)	1000 mg/kg body weight

Aspiration hazard : Not classified

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Viscosity, kinematic	Not applicable

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact : Causes serious eye irritation. Redness, itching, tears.

Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Sodium bicarbonate

LC50 - Fish [1]	7700 mg/l
EC50 - Crustacea [1]	1020 mg/l
NOEC (chronic)	> 576 mg/l
NOEC chronic fish	400 mg/l

Sodium carbonate

LC50 - Fish [1]	300 mg/l
EC50 - Crustacea [1]	250 mg/l
EC50 - Crustacea [2]	200 – 227 mg/l
EC50 96h - Algae [1]	242 mg/l

Sodium Percarbonate

LC50 - Fish [1]	70.7 mg/l
EC50 - Crustacea [1]	4.9 mg/l
ErC50 algae	> 7.7 mg/l

Sodium Phosphate Tribasic

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Sodium bicarbonate

Persistence and degradability	Not rapidly degradable
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Sodium carbonate

Persistence and degradability	Not rapidly degradable
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Sodium Percarbonate

Persistence and degradability	Not rapidly degradable
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Benzenesulfonic acid

Persistence and degradability	Not rapidly degradable
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Sodium Phosphate Tribasic

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Sodium bicarbonate

Partition coefficient n-octanol/water (Log Pow)	-4.01
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Sodium carbonate

Partition coefficient n-octanol/water (Log Pow)	-6.19
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Comply with applicable regulations for solid waste disposal. Refer to all applicable national, international and local regulations or provisions. Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated

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DOT	IMDG	IATA
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
	Not regulated	
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Emcosoy	CAS-No. 82197-09-9	1 – 5%
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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Sodium Phosphate Tribasic (7601-54-9)

CERCLA RQ	5000 lb
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15.2. International regulations

CANADA

Sodium bicarbonate (144-55-8)

Listed on the Canadian DSL (Domestic Substances List)

Sodium carbonate (497-19-8)

Listed on the Canadian DSL (Domestic Substances List)

Sodium Percarbonate (15630-89-4)

Listed on the Canadian DSL (Domestic Substances List)

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Benzenesulfonic acid (68081-81-2)

Listed on the Canadian DSL (Domestic Substances List)

Sodium Phosphate Tribasic (7601-54-9)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sodium bicarbonate (144-55-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium carbonate (497-19-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Benzenesulfonic acid (68081-81-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Sodium Percarbonate(15630-89-4)	U.S. - New York City - Right to Know Hazardous Substances List
Sodium Phosphate Tribasic(7601-54-9)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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Full text of hazard classes and H-statements	
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.