



BOULDERCLEAN



SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 06/29/21

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

1.1. Product Identifier

Product Form: Mixtures

Product Name: B Clean All Purpose Cleaner Refill Tablets orange zest

1.2. Intended Use of the Product

Use of the Substance/Mixture: Multi-surface cleaning. Product is in solid tablet form, for hazards associated with final liquid diluted form (diluted with 16oz of tap water) see accompanying safety data sheet.

1.3. Name, Address, and Telephone of the Responsible Party

Company

1908 Brands Inc.

3550 Frontier Ave., Unit C-1

Boulder, CO 80301

www.1908brands.com

1.4. Emergency Telephone Number

Company Number :1-720-204-3042

Emergency Number : 1-800-424-9300 (Chemtrec 24 hour US)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin Irrit. 2 H315

Eye Dam. 1 H318

Eye Irrit. 2A H319

2.2. Label Elements GHS-US

Labeling

Hazard Pictograms (GHS-US)



GHS05



GHS07

Signal Word (GHS-US)

:Danger

Hazard Statements (GHS-US)

: H315 - Causes skin irritation

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

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Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection, insufficient ventilation respiratory protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P321 - Specific treatment (see section 4).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get Medical Advice/attention P362 - Take off contaminated clothing.
P405 - Store locked up.
P501 - Dispose of contents/container to local, regional, national, and international

2.3. Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre existing eye, skin, or respiratory

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conditions. Product in diluted liquid form will have hazards consistent with the solid form.

2.4. Unknown Acute Toxicity (GHS-US):

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification (GHS-US)
Citric acid	(CAS No) 77-92-9	20-30	Comb. Dust Eye Irrit. 2A, H319
Sodium bicarbonate	(CAS No) 144-55-8	20-30	Eye Irrit. 2B, H320
Sodium Carbonate	(CAS No) 497-19-8	10-20	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Sodium lauryl sulfate	(CAS No) 151-21-3	20-30	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402

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Nat. Orange Fragrance	Mixture (Proprietary)	10-20	Comb. Dust
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The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

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

Symptoms/Injuries: May damage fertility or the unborn child. Causes serious eye damage. Causes skin irritation. Product in diluted liquid form will have symptoms consistent with the solid form

Symptoms/Injuries After Inhalation: Prolonged exposure to liquid in diluted form may cause a mild irritation.

Symptoms/Injuries After Skin Contact: Causes skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. Ingestion may cause nausea, vomiting and diarrhea.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture Fire

Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

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Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection. **Emergency Procedures:** Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Sweep or vacuum the solid product to recover it.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Recover the solid product by vacuuming, shoveling or sweeping.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Do not pressurize, cut, or weld containers.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, combustible materials, ignition sources, incompatible materials. **Incompatible Products:** Strong acids. Strong bases. Strong oxidizers.


7.3. Specific End Use(s)

Bathroom surface cleaning. Product is in solid tablet form, for hazards associated with final liquid diluted form (diluted with 16oz of tap water) see accompanying safety data sheet.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters	
8.2. Exposure Controls	
Appropriate Engineering Controls	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	: Safety glasses. Insufficient ventilation: wear respiratory protection. Gloves. Protective clothing.
	
Materials for Protective Clothing	
Hand Protection	: Chemically resistant materials and fabrics.
Eye Protection	: Wear chemically resistant protective gloves.
Skin and Body Protection	: Chemical goggles or safety glasses.
Respiratory Protection	: Wear suitable protective clothing.
	: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties	
Physical State	: Solid
Appearance	: Tablet, white-yellow.
Odor	: Fruity, citrus.
Odor Threshold	: No data available
pH	: No data available
Relative Evaporation Rate (butylacetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available

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Specific Gravity	: Not available
Solubility	: Soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Kinematic	: No data available
Viscosity, Dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: Not applicable

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable at standard temperature and pressure.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂). Sulfur oxides. Nitrogen oxides. Oxides of boron.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity : Not classified

Citric acid (77-92-9)	
LD50 Oral Rat	3000 mg/kg
Sodium bicarbonate (144-55-8)	
LD50 Oral Rat	4220 mg/kg
Sodium Carbonate (497-19-8)	
LD50 Oral Rate	4090 mg/kg
Sodium lauryl sulfate (151-21-3)	
LD50 Oral Rat	1288 mg/kg
LD50 Dermal Rabbit	580 mg/kg
LC50 Inhalation Rat (mg/l)	> 3900 mg/m ³ (Exposure time: 1 h)
Fragrance	
LD50 Oral Rat	15900 mg/kg

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

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Carcinogenicity: Not classified
Reproductive Toxicity: Not Classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Prolonged exposure to liquid in diluted form may cause a mild irritation.
Symptoms/Injuries After Skin Contact: Causes skin irritation.
Symptoms/Injuries After Eye Contact: Causes serious eye damage.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Citric acid (77-92-9)	
LC50 Fish 1	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	120 mg/l (Exposure time: 72 h - Species: Daphnia magna)
Sodium bicarbonate (144-55-8)	
LC50 Fish 1	8250 - 9000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	2350 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	650 mg/l (Exposure time: 120 h - Species: Nitzschia linearis)
Sodium Carbonate (497-19-8)	
LC50 Fish 1	300 mg/l
EC50 Daphnia 1	265 mg/l
EC50 Fish 2	740 mg/l
Sodium lauryl sulfate (151-21-3)	
LC50 Fish 1	8 - 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	53 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC 50 Fish 2	15 - 18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	30 - 100 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)

12.2. Persistence and Degradability

DAZZ All Purpose Cleaner	
Persistence and Degradability	Not established.
Citric acid (77-92-9)	

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Persistence and Degradability	Readily biodegradable in water.
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12.3. Bioaccumulative Potential

DAZZ All Purpose Cleaner	
Bioaccumulative Potential	Not established.
Citric acid (77-92-9)	
Log Pow	-1.72 (at 20 °C)
Sodium lauryl sulfate (151-21-3)	
BCF fish 1	(will not bioconcentrate)
Log Pow	1.6

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

14.1. UN Number Not regulated for transport

14.2. UN Proper Shipping Name Not regulated for transport

14.3. Additional Information

Other information : Not regulated for transport

Transport by Sea Not regulated for transport

Air Transport Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

DAZZ All Purpose Cleaner	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

Colorant
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium Carbonate (497-19-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Citric acid (77-92-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Sodium bicarbonate (144-55-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium lauryl sulfate (151-21-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Fragrance
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. The specific chemical identity and/or exact percentage 4.5% of composition has been withheld as a trade secret. **GHS Full Text Phrases:**

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life

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

SDS US (GHS HazCom)