

Bristol

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Bristol
Product Use Solid Machine Dish Detergent
Product Code 4641
For Medical Emergency Call Chemtrec 1-800-424-9300
Supplier's Information Cleanslate Inc. 35 E Blancke St, Linden NJ 07036

2. HAZARD IDENTIFICATION

GHS Classification. 1. Skin - Category 1
 2. Eyes - Category 1
 3. STOT - Category 3

GHS Label Element.



Signal Word. Danger

Hazard Statement. Causes severe eye damage and skin burns.

Precautionary Statements. Wear protective gloves, splash goggles, face shield, full suit, respirator and boots. Do not breathe dust /mist.

Wash thoroughly after handling.

Acute Effects

Eyes. Severely corrosive to the eyes. Causes severe burns. Eye exposure may cause severe and permanent eye injury (blindness).

Skin. Severely corrosive to the skin. Causes severe burns. The amount of tissue damage depends on length of contact. Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.

Inhalation. Inhalation of dust may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

Ingestion. Harmful or fatal if swallowed. May cause burns to mouth, throat and stomach.

Chronic Effects

Chronic Effects

Carcinogenicity. No known critical effects or critical hazards.

Product /Ingredient Name. Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingerdients	CAS No.	WT.%
Sodium Hydroxide	1310-73-2	30-40
Sodium Metasilicate Pentahydrate	10213-79-3	2-8
Sodium Carbonate	497-19-8	15-25
Sodium Polyacrylate	9003-04-7	1-6

4. FIRST AID MEASURES

Eye Contact. Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.

Inhalation. Move exposed person to fresh air. Flush mouth and nasal passages with water repeatedly. Get medical attention immediately.

Ingestion. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media. Use water spray, fog or foam.

Specific Hazards Arising from the Chemical. None

Hazardous Thermal Decomposition Products. Carbon oxides (CO, CO2), metal oxide(s).

Bristol

Specific Fire-Fighting Methods. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Specific Protective Equipment for Fire-Fighters. Fire-Fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up. Move containers from spill area. Collect spilled material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling. Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Avoid breathing dust. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Wash thoroughly after handling.

Storage. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Contains moisture-sensitive material. Store in a dry place. Do not store in unlabeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredients Name

Sodium Hydroxide
Sodium Carbonate

Exposure Limits

OSHA ceiling 2 mg/m³
OSHA PEL TWA 5 mg/m³ Form: Dust

Personal Protective Equipment

Eyes. Safety glasses, splash goggles.

Skin. Wear appropriate protective clothing to prevent skin contact. Wear apron or overall if there is a risk of exposure to spills.

Body. For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

Respiratory. A respirator is not needed under normal and intended conditions of product use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Cast Solid
Color	White
Odor	Bland
pH	>12 (1% solution)
Flash point	None
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Easily soluble in the following materials: cold water and hot water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available

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10. STABILITY AND REACTIVITY

Stability. The product is stable.
Possibility of hazardous reactions. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid. No specific data.
Materials to avoid. Strong acids, metals.
Hazardous decomposition products. Carbon oxides (CO, CO₂), metal oxide(s).

11. TOXICOLOGICAL INFORMATION

Product/Ingredient Name	Result	Species	Dose
Sodium Hydroxide	LD50 Oral	Rabbit	500 mg/kg
Sodium Carbonate	LD50 Oral	Rat	2800 mg/kg
Sodium Polyacrylate	LD50 Oral	Rat	>40mg/kg
Sodium Metasilicate Pentahydrate	LD50 Oral	Rat	1152-1349 mg/kg bw

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Waste Information.
 Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14. TRANSPORT INFORMATION

Regulatory Information DOT Classification	UN Number	Proper Shipping Name	Classes	PG*	Label
	UN1823	Sodium hydroxide, solid	8	II	

When product sold in (6.5-7.0lbs) jars DOT not regulated.
Note. DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.
PG*. Packing Group

15. REGULATORY INFORMATION

U.S. Federal Regulations
TSCA 8(b) inventory. All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances. No listed substance
SARA 302/304 emergency planning and notification. No listed substance

SARA 313	Product Name	CAS Number	Concentration
Form R-Reporting requirements	No listed substance		

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **Date of Issue: 02/04/2025**

***Hazard Determination System (HDS):**

Health	3
Reactivity	0
Flammability	0

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.