


# Bristol (previously Resolve Fifteen)

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	Bristol
<b>Product Use</b>	Encapsulated Machine Dish Detergent
<b>Product Code</b>	3522
<b>For Medical Emergency</b>	Call Chemtrec 1-800-424-9300
<b>Supplier's Information</b>	Cleanslate Inc. 1420 East Linden Avenue, Linden NJ 07036

## 2. HAZARD IDENTIFICATION

<b>GHS Classification.</b>	1. Skin - Category 1 2. Eyes - Category 1 3. Aspiration - Category 2	<b>GHS Label Element.</b>
<b>Signal Word.</b> Danger		
<b>Hazard Statement.</b> Fatal if inhaled. Harmful if swallowed.		
<b>Precautionary Statements.</b> Wear protective gloves, splash goggles, face shield, full suit, respirator and boots. Do not breathe dust /mist. Wash thoroughly after handling.		
<b>Acute Effects</b>		
<b>Eyes.</b> Severely corrosive to the eyes. Causes severe burns. Eye exposure may cause severe and permanent eye injury (blindness).		
<b>Skin.</b> Severely irritating to the skin. Direct contact with wet material or moist skin may cause severe irritation.		
<b>Inhalation.</b> Inhalation of dust may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.		
<b>Ingestion.</b> Harmful or fatal if swallowed. May cause burns to mouth, throat and stomach.		
<b>Chronic Effects</b>		
<b>Carcinogenicity.</b> No known critical effects or critical hazards.		
<b>Product /Ingredient Name.</b> Not available.		

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Name of Hazardous Ingredients</b>	<b>CAS No.</b>	<b>WT. %</b>
Sodium Tripolyphosphate	7758-29-4	25-35
Sodium Carbonate	497-19-8	20-30
Caustic Soda Beads	1310-73-2	20-30
Sodium Metasilicate	10213-79-3	5-10
Alcohols, C6-10, Ethoxylated Propoxylated	68987-81-5	1-5
Sodium Dichloroisocyanurate Dihydrate	51580-86-0	5-10
Polyacrylic Acid, Sodium Salt	68479-09-4	1-5

## 4. FIRST AID MEASURES

<b>Eye Contact.</b> Check for and remove any contact lenses. Immediately flush eyes minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
<b>Skin Contact.</b> 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.
<b>Inhalation.</b> Move exposed person to fresh air. Flush mouth and nasal passages with water repeatedly. Get medical attention immediately..
<b>Ingestion.</b> 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

<b>Suitable Fire Extinguishing Media.</b> Flood with water.
<b>Specific Hazards Arising from the Chemical.</b> None
<b>Hazardous Thermal Decomposition Products.</b> Carbon oxides (CO, CO2), phosphorus oxides, chlorine, nitrogen, nitrogen trichloride.

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**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. Vacuum or sweep up 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. environmental contamination.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Ingredients Name

Sodium Carbonate

Caustic Soda Beads

Sodium Dichloroisocyanurate Dihydrate

Sodium Metasilicate

### Exposure Limits

OSHA PEL TWA 5 mg/m<sup>3</sup>, Form: DustOSHA ceiling 2 mg/m<sup>3</sup>OSHA ceiling 3 mg/m<sup>3</sup>OSHA PEL TWA 15 mg/m<sup>3</sup>, 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.** If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

Granular Powder

### Color

White

### Odor

Faint Chlorine

### pH

12.5 (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

75 lb./ft<sup>3</sup>

### 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.** Do not get water inside container. Excessive heat and moisture.

**Materials to avoid.** Acids, ammonia, bases, reducing agents, organic solvents and compounds, strong oxidizing agents.

**Hazardous decomposition products.** Chlorine, nitrogen, cyanogen chloride, phosphorous oxides.

## 11. TOXICOLOGICAL INFORMATION

Product/Ingredient Name	Result	Species	Dose
Sodium Carbonate	LD50 Oral	Rat	4090 mg/kg
Sodium Tripolyphosphate	LD50 Oral	Rat	3120 mg/kg
Caustic Soda Beads	LD50 Oral	Rabbit	500 mg/kg
Sodium Metasilicate	LD50 Oral	Rat	960-3980 mg/kg
Alcohols, C <sub>6</sub> -10, Ethoxylated Propoxylated	LD50 Oral	Rat	2000-5000 mg/kg
Sodium Dichloroisocyanurate Dihydrate	LD50 Oral	Rat	1823 mg/kg
Polyacrylic Acid, Sodium Salt	LD50 Oral	Rat	> 5000 mg/kg

## 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	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	UN3262	corrosive solids, basic, inorganic, n.o.s. (sodium hydroxide)	8	III	

**When product sold in 9 lb. 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: 02/08/2022**

\*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.