

ACP-108 – Solid Bullet Machine Dish Detergent

Date: 9/06/2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Solid Bullet Machine Dish Detergent

### Other Means of Identification

**UN/ID No** UN1823

**Product Code** ACP-108

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Dish washing in automatic dish machines with injector fed system

### Details of the Supplier of the Safety Data Sheet

**Manufacturer Address** Arrow Chemical Products, Inc.  
5933 W. KL Ave  
Kalamazoo, MI 49009

### Emergency Telephone Number

**Company Phone Number** 313-237-0277  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Eye Irritation	Category 1
Corrosive to metals	Category 1

### Signal Word

**DANGER**

### Hazard Statements

Causes severe skin burns and eye damage. Harmful if swallowed. Corrosive to metals.



**Appearance:** White capsule

**Physical State:** Solid

**Odor:** odorless

### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep in original container.

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

**IF IN EYES:** 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

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If irritation occurs or persists, seek medical attention.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician

**IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Must be stored away from heat, direct sunlight. Store locked up in a cool, dry, well-ventilated area.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Sodium Tripolyphosphate	7758-29-4	0-10
Sodium hydroxide	1310-73-2	<45
D-Sodium Silicate Solution	1344-09-8	<30

The balance of ingredients are not hazardous by GHS and are being withheld as a trade secret.

**4. FIRST AID MEASURES**

**First Aid Measures**

- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention/advice.
- Eye Contact** Flush material out immediately with large amounts of water for at least 15-20 minutes, holding eye lids apart to insure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.
- Ingestion** Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Drink 1-2 glasses of water. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.
- Skin Contact** Immediately remove contaminated clothing and flush affected areas with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse, discard footwear, which cannot be decontaminated. Get medical attention immediately.

**Most Important Symptoms and Effects, both Acute and Delayed**

- Symptoms** Corrosive to all body tissues by all routes of exposure. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

- Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Foam, carbon dioxide, dry chemical, or water fog. Use extinguishing agent suitable for type of surrounding fire.

**Unsuitable Extinguishing Media** Solid water stream may scatter and spread fire. Do not use halogenated extinguishing agents.

**Specific Hazards Arising from the Chemical**

The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes. Contact with some metals may produce flammable hydrogen gas.

**Hazardous Combustion Products** This product is not combustible.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. ERG – GUIDE 154

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Keep unnecessary personnel away. Wear protective clothing as required.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Small Spills: Isolate spill; sweep up and collect for disposal. Large Spills: Isolate spill; keep material dry and collect for disposal. Rinse affected area with water and allow area to dry before allowing traffic.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Do not breathe dust/fume/gas/mist/vapors/spray. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with skin, eyes or clothing.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** **MUST** be stored in a cool dry place away from direct sunlight and heat. Keep containers tightly closed in a cool, dry, well-ventilated place. Do NOT store in temperatures above 76 ° F. This product is a solid, if it becomes liquid due to poor storage, **DO NOT USE!** Store locked up.

**Incompatible Materials** Acids. Product is corrosive to tin, aluminum, zinc and alloys containing these metals and will react violently with these metals in powder form.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Tripolyphosphate 7758-29-4	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	-
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** OSHA approved chemical safety goggles are recommended.

**Skin and Body Protection** Wear protective gloves.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Solid	<b>Odor</b>	Odorless
<b>Appearance</b>	White capsule	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Solution: 13 - 14	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not determined	
<b>Flash Point</b>	Not determined	
<b>Evaporation Rate</b>	Not available	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	No Data	
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in Other Solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>VOC Content (%)</b>	Not determined	

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions, however, will react with incompatible materials. Contact with some metals may release flammable hydrogen gas.

**Chemical Stability**  
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**  
Hazardous polymerization does not occur.



**Persistence and Degradability**

Expected to degrade rapidly.

**Bioaccumulation**

Not expected to bioaccumulate.

**Mobility**

Not determined

**Other Adverse Effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from components.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. ERG - Guide 154

**DOT**

<b>UN/ID No</b>	UN1823
<b>Proper Shipping Name</b>	Sodium hydroxide, solid, mixture
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**IATA**

<b>UN/ID No</b>	UN1823
<b>Proper Shipping Name</b>	Sodium hydroxide, solid, mixture
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**IMDG**

<b>UN/ID No</b>	UN1823
<b>Proper Shipping Name</b>	Sodium hydroxide, solid, mixture
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed
<b>NDSL</b>	Listed

**Legend:**  
*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA Reportable Quantity**      The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.

**SARA 313**      No chemical (s) components of this product are subject to reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Tripolyphosphate 7758-29-4		X	X
Sodium hydroxide 1310-73-2	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	3	0	1	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Reactivity</b>	<b>Personal Protection</b>
	3	0	1	B

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**