



Hawaii's only locally manufactured cleaning product line

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Safety Data Sheet

Section 1. Identification

Product Identifier:

HSF Auto Dish Detergent Packets

Recommended Use:

Automatic dishwasher detergent

Manufacturer:

ABC Corporation

Company Address

94-085 Leonui St.

Waipahu, HI 96797

Company Telephone

(808) 671-2671

CHEMTREC Emergency Phone

1(800) 424-9300

Number (24hr hotline)

Section 2. Hazard(s) Identification

Hazard classification

Health Hazards:

Skin corrosion/irritation 2

Eye damage/irritation 2A

Aquatic Acute Toxicity 2

Aquatic Chronic Toxicity 3

Label Elements

Pictogram(s):



Signal Word:

WARNING

Hazard Statement(s):

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H401: Toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

P273: Avoid release to the environment.

P264: Wash exposed skin thoroughly after handling.

P280: Wear protective gloves, eye protection and face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water.

P332+P313: If skin irritation occurs: Get medical attention.

P362: Take off contaminated clothing and wash it before reuse.

P305+P351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Disposal:

P337+P313: If eye irritation persists: Get medical attention.

P501: Dispose of contents and container in accordance with local, regional, national, and international regulations.

Other:

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. May cause an allergic reaction in sensitive individuals.

Unknown acute toxicity:

5% of mixture contains components of unknown acute toxicity.

Section 3. Composition/Information on ingredients

<u>Name</u>	<u>Synonyms</u>	<u>CAS No.</u>	<u>%</u>	<u>GHS-US classification</u>
Sodium carbonate	Soda ash	497-19-8	20-40%	Eye irritant 2B; Skin irritant 2; Respiratory tract irritant
Sodium tripolyphosphate	STPP	7758-29-4	20-40%	Eye irritant 2B; Skin irritant 2; Respiratory tract irritant
Sodium metasilicate pentahydrate	N/A	6834-92-0	20-40%	Skin irritant 1B; Eye irritant 1; STOT SE 3; Met. Corrosive 1
Sodium sulfate	N/A	7757-82-6	10-30%	Eye irritant 2; Skin irritant 2
Sodium carbonate peroxyhydrate	N/A	15630-89-4	<10%	Eye damage 1; Acute toxicity 4
Acrylic polymer/individual residual monomers	N/A	Not required	<10%	Eye irritant 2B; Skin irritant 2
Fragrance	N/A	Confidential	<1%	Eye irritant 2; Skin irritant 2; Respiratory tract irritant

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First Aid Measures

General:

If you feel unwell, seek medical advice (show the label where possible).

Inhalation:

When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position

Skin Contact:

Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Ingestion:

Rinse mouth. Do NOT induce vomiting until speaking with a physician or emergency responder. Never give anything by mouth to an unconscious person.

Most Important symptoms/effects, acute and delayed:

Causes serious eye irritation: redness of eyes, increased flow of tears, blurred vision. Skin irritation: redness, pain, swelling, itching, burning, dryness, and dermatitis. Inhalation: respiratory irritation, pulmonary edema. Ingestion is likely to be harmful or have adverse effects.

Indication of immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. If seeking medical attention, provide SDS to physician or doctor. Symptoms may be delayed.

Section 5. Firefighting measures

Extinguishing Media:

Water, water spray.

Unsuitable extinguishing media:

High volume water jet.

Special hazards arising from the substance or mixture:

Oxidizing. Oxygen released in thermal decomposition may support combustion. Contact with combustible material may cause fire. Contact with flammables may cause fire or explosions. Risk of explosion if heated under confinement.

Fire Hazard:

Not flammable.

Explosion Hazard:

Product is not explosive.

Reactivity:

Stable under normal conditions.

Hazardous decomposition products:

Carbon oxides (CO, CO₂). Sulfur oxides. Sodium oxides.

Instruction/Advice for Firefighters:

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA). Small fires: Move containers from fire area if you can do it without risk.

Protection during firefighting:

Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental release measures

Personal Precautions, protective

General Measures:

Never walk through spilled material. Wear appropriate personal protective equipment. Avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate the area before entry if spill has occurred in non-ventilated area or if fumes are present.

For non-emergency personnel

Protective Equipment:

Use appropriate PPE.

Emergency procedures:

Evacuate unnecessary personnel. Only personnel trained on Emergency Standard Operating Procedure should aid in clean up.

For Emergency responders

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Follow Standard Operating Procedures for facility where accidental release occurred.

Environmental Precautions: Prevent spills from entering waterways.

Methods and material for containment and cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Pick up and arrange disposal without creating dust. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Section 7. Handling and Storage

Precautions for safe handling

Additional hazards when processed: ND

Precautions for safe handling: Wear appropriate PPE.

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.

Conditions for safe storage, including any incompatibilities

Technical Measures: ND

Incompatible materials: Strong acids. Strong bases. Strong oxidizers. Heavy metals.

Storage area: Store in a cool, dry and well-ventilated place. Keep individual packets closed until ready to use to prevent moisture contamination. Store away from incompatible materials.

Special rules on packaging: ND

Section 8. Exposure controls/personal protection

Control Parameters			
Name	ACGIH	NIOSH	OSHA
Sodium carbonate	Not determined	Not determined	Not determined
Sodium metasilicate pentahydrate	Not determined	Not determined	Not determined
Sodium tripolyphosphate	Not determined	5mg/m3	5mg/m3
Sodium sulfate	Not determined	Not determined	Not determined
Acrylic polymer/individual residual monomers	Not determined	Not determined	Not determined
Fragrance	Not determined	Not determined	Not determined

Exposure Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Avoid creating or spreading dust. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves, proper clothing and shoes, dust mask when dusting is prevalent.

Hand protection: Gloves

Eye protection: Chemical goggles or safety glasses if splash/dust hazard is present.

Skin and body protection:	Always wear proper clothing and shoes when dispensing hazardous chemicals.
Respiratory protection:	Dust mask if dusting occurs when in use.
Other protective measures:	ND

ND - Not Determined

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Powder
Appearance	Free flowing powder
Color	White to yellowish
Odor	Fresh scent
Odor threshold	ND
pH:	10-11 (1% aqueous solution)
Melting point:	ND
Freezing point:	ND
Boiling point:	ND
Flash Point:	ND
Relative evaporation rate (butylacetate=1)	ND
Flammability:	ND
Explosive limits:	ND
Vapor Pressure:	ND
Vapor Density:	ND
Specific Gravity:	0.9g/cc @ 20°C
Solubility:	Very soluble in water
Partition coefficient (n-octanol/water):	ND
Auto-ignition temperature:	ND
Decomposition Temperature:	ND
Viscosity:	ND

ND - Not Determined

Section 10. Stability and Reactivity

Reactivity:	Stable under normal conditions of storage, handling, and use.
Chemical Stability:	Stable. Will lose oxygen over time, especially if in contact with moisture.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Keep away from moisture, water, ignition sources, direct sunlight, extremely high or low temperatures, incompatible materials.
Incompatible Materials:	Strong acids.
Hazardous Decomposition Products:	None known to ABC Corporation.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity:	ND
Skin corrosion/irritation (acute):	May cause skin irritation.

Skin corrosion/irritation (Chronic):	May cause skin irritation.
Serious eye damage/irritation (acute):	Causes serious eye irritation.
Serious eye damage/irritation (chronic):	Causes serious eye irritation.
Respiratory corrosion/irritation (acute):	May cause respiratory irritation if inhaled.
Respiratory corrosion/irritation (chronic):	May cause respiratory irritation if inhaled. May cause pulmonary endema.
Ingestion (acute):	Likely to cause irritation to gastrointestinal tract if ingested.
Ingestion (chronic):	Likely to cause irritation to gastrointestinal tract if ingested.
Germ cell mutagenicity:	ND
Carcinogenicity:	Under ACGIH, IARC, NTP and OSHA, no ingredient in this product is present equal to or above 0.1 concentration that would be a confirmed, probable carcinogenic.
Reproductive Toxicity:	ND
Specific target organ toxicity (single exposure):	ND
Specific target organ toxicity (repeated exposure):	ND
Aspiration hazard:	ND
Symptoms/injuries after eye contact:	May cause eye irritation.
Symptoms/injuries after ingestion:	Ingestion may cause nausea, vomiting and diarrhea.
Numerical measures of toxicity:	ND

ND - Not determined

Section 12. Ecological Information

Ecotoxicity:	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence and degradability:	ND
Bioaccumulative Potential:	ND
Mobility in soil:	ND
Other adverse effects:	ND

ND - Not determined

Section 13. Disposal Considerations

Waste disposal recommendations:	Keep out of sewers and waterways. To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/ international regulations.
Additional information:	N/A

Section 14. Transport Information

UN Number:	N/A
DOT NA no:	N/A
UN Proper Shipping name:	N/A
Hazard Class:	N/A

Hazard Label: N/A
Packing Group: N/A
DOT packaging exceptions: N/A

Section 15. Regulatory Information

US Federal Regulations: Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standards, this product contains materials that are considered hazardous.

Section 16. Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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.

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