

Material Safety Data Sheet



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Section 1. Chemical Product and Company Identification

Product name POWDERED TOWEL SOAP
Product use Detergent.
Product code H350
Date of issue 11/30/11 **Supersedes** 10/12/01

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared By

Compliance Services
1420 Seaboard Industrial Blvd.
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Section 2. Hazards Identification

Emergency overview

DANGER !

*Hazard Determination System (HDS): Health, Flammability, Reactivity



CAUSES EYE, SKIN AND MUCOUS MEMBRANE BURNS.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Dermal contact. Inhalation.

Eyes

Causes eye burns. Contact with eyes may cause severe irritation and possible burns. Eye exposure may cause severe and permanent eye injury (blindness).

Skin

Causes skin 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 will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.

Ingestion

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

Chronic effects

Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage. Repeated skin exposure can produce local skin destruction or dermatitis. Repeated exposure of the eyes to a low level of dust can produce eye irritation.

Carcinogenicity

No known significant effects or critical hazards.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
SODIUM TRIPOLYPHOSPHATE, STPP	7758-29-4	30 - 40
SODIUM METASILICATE; silicic acid (H2-Si-O3) disodium salt; water glass	6834-92-0	30 - 40
SODIUM CARBONATE; soda ash; carbonic acid; disodium salt	497-19-8	20 - 30
C12-C16 ETHOXYLATED ALCOHOLS	68551-12-2	1 - 5
DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid	27176-87-0	<3

Section 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 if irritation develops.

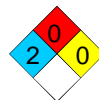
Inhalation

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.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point Not available.
Flammable Limits Not available.
Flammability Not available.
Fire hazard No specific fire or explosion hazard.
Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire.

Section 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.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes. Avoid breathing dust. Use with adequate ventilation. Do not ingest. Wash thoroughly after handling. Do not reuse product container.
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.

Section 8. Exposure Controls/Personal Protection

Product name

SODIUM METASILICATE; silicic acid (H₂-Si-O₃) disodium salt; water glass

SODIUM CARBONATE; soda ash; carbonic acid; disodium salt

DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid

Exposure limits

ACGIH TLV (United States).

TWA: 10 mg/m³ 8 hour(s). Form: Dust

OSHA PEL (United States).

: 15 mg/m³ Form: Dust

OSHA PEL (United States).

TWA: 5 mg/m³ 8 hour(s).

ACGIH / OSHA (United States).

TWA: 1 mg/m³ 8 hour(s).

ACGIH TLV (United States).

STEL: 3 mg/m³ 15 minute(s).

Personal Protective Equipment (PPE)

Eyes Splash goggles.

Body Wear appropriate protective clothing to prevent skin contact. Wear apron or coverall if there is a risk of exposure to splashes. Recommended: Rubber gloves.



Respiratory If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

Section 9. Physical and Chemical Properties

Physical State Granular solid. **Color** White.
pH 12.3 - 12.7 (1% solution) **Odor** Citrus
Boiling Point Not applicable. **Vapor Pressure** Not applicable.
Specific Gravity Not applicable. **Vapor Density** Not applicable.
Solubility Partially soluble in the following materials: cold water and hot water. **Evaporation Rate** Not applicable.
VOC (Consumer) Not applicable.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility Reactive or incompatible with the following materials: acids.
Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous Decomposition Products carbon oxides (CO, CO₂), phosphorus oxides

Section 11. Toxicological Information**Acute Toxicity**

disodium metasilicate	LD50 Oral	Rat	1153 mg/kg	-
	LD50 Oral	Rat	2200 mg/kg	-
sodium carbonate	LC50 Inhalation Dusts and mists	Rat	2300 mg/m ³	2 hours
	LD50 Oral	Rat	4090 mg/kg	-
	LD50 Oral	Rat	4090 mg/kg	-
dodecylbenzenesulphonic acid	LC50 Inhalation Vapor	Mouse	320 mg/m ³	2 hours
	LC50 Inhalation Vapor	Rat	510 mg/m ³	2 hours
	LD50 Oral	Rat	650 mg/kg	-
	LD50 Oral	Rat	2140 mg/kg	-

Section 12. Ecological Information

Environmental Effects Not available.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
disodium metasilicate	-	Acute EC50 33.53 mg/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	-	Acute EC50 226.79 mg/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
sodium carbonate	-	Acute EC50 199.82 mg/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	-	Acute EC50 242000 ug/L Fresh water	Algae - Diatom - Navicula seminulum	96 hours
	-	Acute LC50 1640000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 1020000 ug/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - <24 hours	48 hours
	-	Acute LC50 <850000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 1 to 7 days	96 hours
	-	Acute LC50 740000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis - Adult	96 hours
	-	Acute LC50 565000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 320000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
	-	Acute LC50 300000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 3.88 cm - 0.96 g	96 hours
	-	Acute LC50 265000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	-	Acute LC50 176000 ug/L Fresh water	Crustaceans - Scud Order - Amphipoda	48 hours

Section 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.

Waste Stream Code: - (Not applicable.)
Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	Not applicable.			
IMDG Class	Not available.	Not available.			

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Pentasodium triphosphate; Dodecylbenzene sulfonic acid

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

United States inventory (TSCA 8b): Not determined.

State Regulations

California Prop 65 No products were found.

Section 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.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs 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.