

Material Safety Data Sheet



Zep Inc.
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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name FORMULA 4358
Product use Powder Car Wash
Product code 0407
Date of issue 03/16/09 **Supersedes** 09/12/06

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.
Atlanta, GA 30318

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Section 2. Hazards Identification

Emergency overview

WARNING

CAUSES EYE IRRITATION.

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



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

Not applicable.

Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin Non-sensitizer to skin. May cause mild irritation with direct contact. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation May cause irritation of respiratory tract, coughing, shortness of breath.

Ingestion No data on acute toxicity of the product when ingested. Can cause gastrointestinal disturbances.

Chronic effects

There is no known chronic effect after exposure to this product.

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

SODIUM TRIPOLYPHOSPHATE, STPP	7758-29-4	70 - 80
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl) alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	10 - 20

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if irritation develops.

Inhalation Move exposed person to fresh air. Get medical attention if symptoms occur.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Move exposed person to fresh air. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

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

Flash Point Not applicable.

Flammable Limits Not applicable.

Flammability Non-combustible.

Fire hazard May emit toxic fumes under fire conditions.

Fire-Fighting Procedures Wear special protective clothing and positive pressure, self-contained breathing apparatus. Use water spray or fog.



Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see section 8). Use appropriate equipment to put the spilled material in a waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Avoid breathing dust.

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. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

SODIUM TRIPOLYPHOSPHATE, STPP

Exposure limits**OSHA PEL (United States).**TWA: 15 mg/m³ 8 hour(s). Form: Total dust**ACGIH TLV (United States).**: 5 mg/m³ Form: Respirable dust**Personal Protective Equipment (PPE)****Eyes** Recommended: Safety glasses.**Body** Recommended: For prolonged or repeated handling, use gloves.**Respiratory** A respirator is not needed under normal and intended conditions of product use.**Section 9. Physical and Chemical Properties****Physical State** Very fine solid powder.**Color** Red.**pH** 9.0 - 9.5 (0.25 lbs./gal. Solution.)**Odor** Pleasant.**Boiling Point** Not applicable.**Vapor Pressure** Not applicable.**Specific Gravity** Not applicable.**Vapor Density** Not applicable.**Solubility** 1 pound / gallon**Evaporation Rate** Not applicable.**VOC (Consumer)** 0.63%**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Reactive or incompatible with the following materials: oxidizing materials.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** carbon oxides (CO, CO₂). Emits toxic fumes when heated to decomposition.**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Sodium Tripolyphosphate	LD50 Dermal	Rabbit	>7940 mg/kg	-
	LD50 Oral	Rat	5400 mg/kg	-
Nonylphenoxypoly(Ethyleneoxy)Ethano	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	3310 mg/kg	-

Section 12. Ecological Information**Environmental Effects** No known significant effects or critical hazards.**Aquatic Ecotoxicity**

Not available.

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: - (None.)

Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	None.			
IMDG Class	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: No products were found.

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.

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.