

# Material Safety Data Sheet



Zep, Inc.  
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Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
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## Section 1. Chemical Product and Company Identification

**Product name** FORMULA 965  
**Product use** Powdered vehicle wash  
**Product code** 0517  
**Date of issue** 07/01/09 **Supersedes** 10/10/05

### 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

CAUTION

CAUSES EYE AND SKIN 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

Dermal contact. Eye contact. Inhalation.

#### Eyes

Causes eye irritation. Dust may cause mechanical irritation to eye. Inflammation of the eye is characterized by redness, watering and itching.

#### Skin

Causes skin irritation. Skin inflammation is characterized by itching, scaling, or reddening.

#### Inhalation

Avoid breathing dust. Over-exposure by inhalation may cause respiratory irritation. May cause irritation of respiratory tract, coughing, shortness of breath.

#### Ingestion

Harmful if swallowed. Can cause gastrointestinal disturbances.

### Chronic effects

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin 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	50 - 60
SODIUM BICARBONATE; Monosodium Carbonate; Baking Soda	144-55-8	10 - 20
SODIUM CARBONATE; soda ash; carbonic acid, disodium salt	497-19-8	5 - 15
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl) alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	1 - 10
DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid	27176-87-0	<5

## 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 immediately.

### Skin Contact

Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

### Inhalation

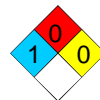
If inhaled, remove to fresh air. If irritation persists, get medical attention.

### Ingestion

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.)



<b>Flash Point</b>	None.
<b>Flammable Limits</b>	Not applicable
<b>Flammability</b>	Non-combustible.
<b>Fire hazard</b>	No specific fire or explosion hazard.
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). 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.
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**Section 7. Handling and Storage**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Do not breathe dust. Do not ingest. Avoid contact with eyes, skin and clothing. Do not reuse container. Wash thoroughly after handling.
<b>Storage</b>	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. Contains moisture-sensitive material. Store in a dry place. 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/m<sup>3</sup> 8 hour(s). Form: Total dust  
**ACGIH TLV (United States).**  
: 5 mg/m<sup>3</sup> Form: Respirable dust

SODIUM BICARBONATE; Monosodium Carbonate; Baking Soda

**OSHA PEL (United States).**  
TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Dust  
**ACGIH TLV (United States).**  
: 10 mg/m<sup>3</sup>

SODIUM CARBONATE; soda ash; carbonic acid, disodium salt

**ACGIH (United States).**  
: 15 mg/m<sup>3</sup> Form: Dust  
**OSHA PEL (United States).**  
TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust

DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid

**ACGIH / OSHA (United States).**  
TWA: 1 mg/m<sup>3</sup> 8 hour(s).  
**ACGIH TLV (United States).**  
STEL: 3 mg/m<sup>3</sup> 15 minute(s).

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Safety glasses.	
<b>Body</b>	For prolonged or repeated handling, use gloves. Recommended: Nitrile gloves. Rubber gloves. Neoprene gloves.	
<b>Respiratory</b>	If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Solid. [Powder.]	<b>Color</b>	Red.
<b>pH</b>	9.0 - 9.5 (1% dilution)	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	Not applicable	<b>Vapor Pressure</b>	Not applicable
<b>Specific Gravity</b>	Not applicable	<b>Vapor Density</b>	Not applicable
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	Not applicable
		<b>VOC (Consumer)</b>	Not applicable

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> ), phosphates

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Sodium Triployposphate	LD50 Dermal	Rabbit	>7940 mg/kg	-
	LD50 Oral	Rat	5400 mg/kg	-
Sodium bicarbonate	LD50 Dermal	Rabbit	10000 mg/kg	-
	LD50 Oral	Rat	10000 mg/kg	-
Sodium Carbonate	LD50 Oral	Rat	2800 mg/kg	-
Nonylphenoxypropyl(Ethyleneoxy)Ethano	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	3310 mg/kg	-
Dodecylbenzene sulfonic acid	LD50 Oral	Rat	2140 mg/kg	-
	LC50 Inhalation Vapor	Rat	510 mg/m <sup>3</sup>	2 hours
	LC50 Inhalation Vapor	Mouse	320 mg/m <sup>3</sup>	2 hours

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Product/ingredient name	Test	Result	Species	Exposure
Sodium Carbonate	-	Acute LC50 300 mg/L	Fish - Bluegill.	96 hours
	-	Acute LC50 265 mg/L	Daphnia	96 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** Classification: - (Non-hazardous waste)

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
<b>DOT Classification</b>	Not regulated.	Not a DOT controlled material (United States).	-		

**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:** Dodecylbenzene sulfonic acid (RQ 1000 lbs)

**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.