

Material Safety Data Sheet



Zep, Inc.
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1-877-I-BUY-ZEP (428-9937)
www.zep.com

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

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

CAUTION

CAUSES EYE AND SKIN IRRITATION.



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	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.)



Flash Point	None.
Flammable Limits	Not applicable
Flammability	Non-combustible.
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	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

Handling	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.
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. Contains moisture-sensitive material. Store in a dry place. Keep out of the reach of children.

Section 8. Exposure Controls/Personal ProtectionProduct 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

SODIUM BICARBONATE; Monosodium Carbonate; Baking Soda

OSHA PEL (United States).TWA: 15 mg/m³ 8 hour(s). Form: Dust**ACGIH TLV (United States).**
: 10 mg/m³

SODIUM CARBONATE; soda ash; carbonic acid, disodium salt

ACGIH (United States).: 15 mg/m³ Form: Dust**OSHA PEL (United States).**TWA: 15 mg/m³ 8 hour(s). Form: Total dust

DODECYL BENZENE SULFONIC ACID; alkyl aryl sulfonic acid

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**

Safety glasses.

BodyFor prolonged or repeated handling, use gloves. Recommended:
Nitrile gloves. Rubber gloves. Neoprene 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**

Solid. [Powder.]

Color Red.**pH**

9.0 - 9.5 (1% dilution)

Odor Pleasant.**Boiling Point**

Not applicable

Vapor Pressure Not applicable**Specific Gravity**

Not applicable

Vapor Density Not applicable**Solubility**Easily 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

Slightly reactive or incompatible with the following materials: oxidizing materials.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Productscarbon oxides (CO, CO₂), phosphates

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	-
Sodium bicarbonate	LD50 Dermal	Rabbit	10000 mg/kg	-
	LD50 Oral	Rat	10000 mg/kg	-
Sodium Carbonate	LD50 Oral	Rat	2800 mg/kg	-
	LD50 Dermal	Rabbit	2000 mg/kg	-
Nonylphenoxypoly(Ethyleneoxy)Ethano	LD50 Oral	Rat	3310 mg/kg	-
	LD50 Oral	Rat	2140 mg/kg	-
Dodecylbenzene sulfonic acid	LC50 Inhalation Vapor	Rat	510 mg/m ³	2 hours
	LC50 Inhalation Vapor	Mouse	320 mg/m ³	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
DOT Classification	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.