



Superior Solutions

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Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name **ZEP FORMULA 15282**
Product use Recirculating Detergent
Product code **5348**
Date of issue **04/20/05** Supersedes **04/03/00**

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
INFOTRAC: (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

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Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
SODIUM METASILICATE; silicic acid (H ₂ -Si-O ₃) disodium salt; water glass	6834-92-0	15 - 25	Supplier Suggested (United States). CEIL: 2 mg/m ³
SODIUM CARBONATE; soda ash; carbonic acid; disodium salt	497-19-8	35 - 45	OSHA PEL (United States). TWA: 5 mg/m ³ 8 hour(s).
TETRASODIUM PYROPHOSPHATE; TSPP; pyrophosphoric acid, tetrasodium salt	7320-34-5	20 - 30	OSHA / ACGIH (United States). TWA: 5 mg/m ³ 8 hour(s).

Section 3. Hazards Identification

Acute Effects

Routes of Entry Inhalation.

- Skin** Hazardous by the following route of exposure: of skin contact (corrosive). The amount of tissue damage depends on length of contact. Skin contact can produce inflammation and blistering. Skin contact may produce burns.
- Eyes** Hazardous by the following route of exposure: of eye contact (corrosive). Eye contact can result in corneal damage or blindness. The amount of tissue damage depends on length of contact.
- Inhalation** Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
- Ingestion** May be fatal if swallowed. May cause burns to mouth, throat and stomach.

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

Carcinogenic Effects

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

Chronic Effects

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

See Toxicological Information (section 11)

HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

Section 4. First Aid Measures

Eye Contact

Flush 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 immediately.

Inhalation

If inhaled, remove to fresh air. Flush mouth and nasal passages with water repeatedly. Get medical attention immediately.

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**Flash Point** Not applicable.

F+ 000000 L+ 0000

Not applicable.

Flammability Not applicable.**Fire hazard****Fire-fighting procedures**

Wear special protective clothing and positive pressure, self-contained breathing apparatus.

**Section 6. Accidental Release Measures****Spill Clean up** Put on appropriate personal protective equipment (see section 8). Use appropriate tools to transfer the spilled solid to a convenient 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** Do not swallow this product. Do not get in eyes, on skin or on clothing. Do not breathe dust. Use only with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing.**Storage** Keep container tightly closed and dry. Keep container in a cool, well-ventilated area. Store between the following temperatures: 40°F - 120°F. Keep away from incompatibles. Keep out of the reach of children.**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)****Eyes** Splash goggles.**Body** Neoprene gloves. Nitrile gloves. Natural rubber (latex) gloves.
Recommended: Synthetic apron. Chemical resistant boots**Respiratory** Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with appropriate particulate dust filters.**Section 9. Physical and Chemical Properties****Physical State** Moist solid.**Color** Tan.**pH** 11.8-12.3 (1% solution)**Odor** Slight Aromatic.**Boiling Point** Not applicable**Vapor Pressure** Not applicable**Specific Gravity** Not applicable**Vapor Density** Not applicable**Solubility** 1.5 lb/gal**Evaporation Rate** Not applicable.**VOC (Consumer)** 0 (g/l).**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Reactive with oxidizing agents, acids.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** Carbon dioxide., Carbon monoxide. and other organic materials..**Section 11. Toxicological Information****United States****Acute toxicity****Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OECD** Not available.**Section 13. Disposal Considerations****Waste** Waste must be disposed of in accordance with federal, **Waste Stream** Code: - (Not applicable.)**Information** state and local environmental control regulations.

Classification: - (Non-hazardous waste)

Consult your local or regional authorities.

Section 14. Transport Information**Proper shipping name** None.**DOT Classification** Not a DOT controlled material (United States).**UN number** Not regulated.

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.

TDG Classification Not a TDG-controlled material.

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

SARA 313 toxic chemical notification and release reporting:

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**WHMIS (Canada)****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.