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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 158
Product use General Purpose Cleaner
Product code 0688
Date of issue 02/03/05 **Supersedes** 05/31/00

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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Prepared By
Compliance Services
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Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
SODIUM TRIPOLYPHOSPHATE	7758-29-4	1 - 10	ACGIH TLV / OSHA PEL (United States). TWA: 5 mg/m ³ 8 hour(s). Not established
SODIUM DODECYLBENZENE SULFONATE; linear alkyl aryl sodium sulfonate; Sodium DDBSA	25155-30-0	1 - 5	

Section 3. Hazards Identification

Acute Effects

Routes of Entry Dermal contact. Eye contact.

Skin Hazardous by the following route of exposure: of skin contact (irritant). Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, or reddening.

Eyes Hazardous by the following route of exposure: of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering and itching.

Inhalation No known acute effects of this product resulting from inhalation.

Ingestion No data on acute toxicity of the product when ingested.

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 Prolonged or repeated contact may dry skin and cause irritation.

See Toxicological Information (section 11)

HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Inhalation Inhalation not likely under normal use conditions. 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. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable **Flammable Limits** Not applicable

Flammability Non-combustible.

Fire hazard Not applicable.

Fire-fighting procedures Not applicable



Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate 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 Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly after handling.
Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection**

Eyes Recommended: Safety glasses.
Body For prolonged or repeated handling, use gloves. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.
Respiratory No special measures required.

Protective Clothing (Pictograms)**Section 9. Physical and Chemical Properties**

Physical State Liquid. **Color** Clear. Blue. (Dark.)
pH 12.0-12.5 **Odor** Pleasant.
Boiling Point 101.67°C (215°F) **Vapor Pressure** Not determined.
Specific Gravity 1.074 (Water = 1) **Vapor Density** Not determined.
Solubility Easily soluble in the following materials: cold water, hot water. **Evaporation Rate** 1 compared with Water
VOC (Consumer) 1.17 (g/l). 0.01 lbs/gal 0.11%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.
Incompatibility None identified.
Hazardous Polymerization Will not occur.
Hazardous Decomposition Products None identified.

Section 11. Toxicological Information

Toxicity to Animals **Sodium Dodecylbenzene Sulfonate**:[^][25,45,50,70
 ORAL (LD50):□Acute: 1260 mg/kg [Rat]. 2000 mg/kg [Mouse].

Section 12. Ecological Information

Ecotoxicity Not available.
Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** 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: Sodium Dodecylbenzene Sulfonate RQ 1000 lbs. (454 kg)
 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.

WHMIS (Canada) Class D-1B: Material causing immediate and serious toxic effects (Toxic).

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.