



ZEP Inc.
11627 178th Street
Edmonton, Alberta T5S 1N6
1-877-1-BUY-ZEP (428-9937)
Superior Solutions www.zep.com

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name BIG Z
Product use Liquid Truck and Trailer Wash
Product code 0370
Date of issue 06/10/16 **Supersedes** 10/02/13

Emergency Telephone Numbers

For MSDS Information:

Technical Services Group
Telephone (780) 453-8100
(Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency

CANUTEC (24 Hours)
(613) 996-6666 - Call Collect

Prepared By

Technical Services Group
11627 178th Street
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Section 2. Hazards Identification

Emergency overview

WARNING !

HARMFUL IF SWALLOWED.

Harmful in contact with skin. Do not breathe vapor or mist. Do not ingest. Do not get in eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

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

Eye contact. Dermal contact. Inhalation. Ingestion.

Eyes

Severely corrosive to the eyes. Causes severe burns.

Skin

Severely corrosive to the skin. Causes severe burns. Harmful in contact with skin.

Inhalation

May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

Ingestion

Toxic if swallowed. May cause burns to mouth, throat and stomach.

Chronic effects

Repeated or prolonged skin contact may produce chronic inflammation or dermatitis, characterized by redness, scaling or itching. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

SODIUM HYDROXIDE; caustic soda; soda lye

1310-73-2

10 - 30

ALPHA OLEFIN SULFONATE; SODIUM SALT; sulfonic acids; c14-18 alkane and c12-20 alkene; c12-20 alkenehydroxy; sodium salts

68439-57-6

1 - 5

Section 4. First Aid Measures

Eye Contact

Get medical attention immediately. 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. Chemical burns must be treated promptly by a physician.

Skin Contact

Get medical attention immediately. Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Non-combustible.

Flammable Limits Not available.

Flammability Aqueous solutions are non-flammable.

Auto-ignition Temperature

Fire-Fighting Procedures Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. In case of fire, use water spray (fog), foam or dry chemical.

Fire hazard In a fire or if heated, a pressure increase will occur and the container may burst.

Products of Combustion carbon oxides (CO, CO₂) sulfur oxides (SO₂, SO₃ etc.)

Explosion hazard Not available.

Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep away from acids. 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. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name

Exposure limits

No exposure limit value known.

Personal Protective Equipment (PPE)

Eyes Recommended: splash goggles



Hands and Recommended: Boots, Chemical resistant. Neoprene gloves.

Body Nitrile gloves. Rubber gloves. Chemical-resistant apron.

Respiratory Wear appropriate respirator when ventilation is inadequate. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and Chemical Properties

Physical State Liquid.

Color Brown. [Dark]

pH 13.0-13.5

Odor Soap. Type Odor [Slight]

Boiling Point 104.44°C (220°F)

Vapor Pressure Not available.

Specific Gravity 1.2

Vapor Density Not available.

Solubility Easily soluble in the following materials: cold water and hot water.

Evaporation Rate 0.9 (Water = 1)

Freezing Point

VOC (Consumer) 0 (g/l).

Section 10. Stability and Reactivity**Stability and Reactivity**

The product is stable.

Incompatibility

Reactive or incompatible with the following materials: oxidizing materials and acids.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information**Carcinogenicity** No known significant effects or critical hazards.**Acute Toxicity****Product/ingredient name****Result****Species****Dose****Exposure**

Not available.

Section 12. Ecological Information**Environmental Effects**

No known significant effects or critical hazards.


Aquatic Ecotoxicity**Product/ingredient name****Test****Result****Species****Exposure**

Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	1760	Corrosive liquid, n.o.s. (Sodium Hydroxide)	8	II		<u>Explosive Limit and Limited Quantity Index</u> 1
IMDG Class	Not available.	Not available.	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. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information**Canada****WHMIS (Canada)**

Class E: Corrosive liquid.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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.