

Safety Data Sheet

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:..... Z-100
PRODUCT TYPE:..... Alkaline liquid cleaning compound
PRODUCT NUMBER:..... Z4565XXX (Last 3 characters vary with the packaging)
CONTROL NUMBER:..... Z4565XXX

COMPANY:..... **Simoniz USA, Inc.**
201 Boston Turnpike
Bolton, CT 06043
1-800-227-5536
www.simoniz.com

EMERGENCY PHONE: (800) 255-3924 (CHEM-TEL)

2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE:Skin Corrosion (1C) Serious Eye Damage (1)
SYMBOLS:



SIGNAL WORD: DANGER!
HAZARD STATEMENT: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

PREVENTION:..... Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Do not touch eyes. Wear protective gloves / protective clothing / eye protection / face protection.

RESPONSE: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse skin with water for several minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. Specific treatment (see First AID Section). IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get emergency medical help.

STORAGE: Store locked up.

DISPOSAL:..... Dispose of container and contents in accordance with local regulations.

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3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	C.A.S. NUMBER
Water	7732-18-5
Sodium Metasilicate	6834-92-0
2-Butoxy Ethanol	111-76-2
Sodium Hydroxide	1310-73-2

If percentages, chemical names and C.A.S. numbers of ingredients are not listed/shown, they are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals.

4 – FIRST-AID MEASURES

BREATHING (INHALATION): ... Maintain adequate ventilation in work area. If signs of discomfort or irritation occur, remove to fresh air. If symptoms persist or burns occur, get immediate medical attention!

SWALLOWING (INGESTION): . DO NOT INDUCE VOMITING! Drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!

EYES: Flush eyes with a large quantity of fresh water for at least 15 minutes. Apply ice compresses and get immediate emergency medical attention by an eye specialist! It may be necessary to take person to a hospital emergency room.

SKIN (DERMAL): Flush from skin and clothing with large quantity of fresh water for at least 15 minutes. If burns occur or irritation persists, get immediate medical attention! Wash contaminated clothing before reuse.

5 – FIRE-FIGHTING MEASURES

FLASHPOINT: This product is non-flammable.

EXTINGUISHING MEDIA: Use extinguishing media suitable for materials already burning.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

WASTE DISPOSAL: As recommended by local, state and federal authorities.

7 – HANDLING and STORAGE

STORAGE: Store in a cool, well-ventilated area. Avoid overheating or freezing. Store locked up. Do NOT store this product in an unmarked container!

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HANDLING: Wear eye and hand protection if product is likely to splash. Do NOT transfer this product in an unmarked container. Spilled material is slippery. Keep away from children!

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator.

PROTECTIVE CLOTHING: Nitrile or PVC gloves, and chemical splash goggles.

ADDITIONAL MEASURES: Under normal use according to label instructions, special protection should not be necessary. Wear eye and hand protection if product is likely to splash. Keep away from children!

INGREDIENT	C.A.S. NUMBER	OSHA PEL*
Water	7732-18-5	No limits established
Sodium Metasilicate	6834-92-0	No limits established
2-Butoxy Ethanol	111-76-2	50 ppm, 240 mg/m ³
Sodium Hydroxide	1310-73-2	2 mg/m ³

*When OSHA 8-hour TWA; STEL; and Ceiling PEL values are not established, NIOSH REL and ACGIH TLV[®] values will be shown and indicated as such.

9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE & ODOR: Red transparent liquid. No significant odor.

ODOR THRESHOLD: N/A

pH: 13.5 – 14.0

MELTING POINT: N/A

FREEZING POINT: N/A

BOILING POINT: 210 degrees F.

BOILING POINT RANGE: N/A

FLASHPOINT: This product is non-flammable.

EVAPORATION RATE: N/A

FLAMMABILITY (solid/gas): N/A

EXPLOSION LIMITS: N/A

VAPOR PRESSURE: Greater than 1

SPECIFIC GRAVITY: 1.05

SOLUBILITY IN WATER: Completely soluble.

PARTITION COEFFICIENT: N/A

AUTO-IGNITION TEMPERATURE: N/A

DECOMPOSITION TEMPERATURE: N/A

VISCOSITY: Water thin

10 – STABILITY and REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMP.: This product not known to polymerize.

INCOMPATIBILITY: Do not mix with acids or other detergents.

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11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY:..... Absorption through skin and eyes. Ingestion. Inhalation.
LISTED CARCINOGEN: None over 0.1%.
MEDICAL CONDITION AGGRAVATED:.....May aggravate pre-existing dermatitis and asthma.
INHALATION:..... Undiluted product can cause irritation and burns to mouth, nose and respiratory tract after prolonged exposure or if significant amounts are inhaled.
INGESTION:..... Undiluted product can cause irritation and burns to mouth, esophagus and stomach if ingested.
EYES: Undiluted product can cause serious eye irritation, redness, burns, blindness or other permanent damage if not immediately flushed from eyes.
SKIN (DERMAL):..... Undiluted product can cause severe irritation, redness and burns of the affected area if not immediately flushed from the skin.
ACUTE TOXICITY* (ORAL):.....>5,000 mg/kg
ACUTE TOXICITY* (DERMAL):.....>5,000 mg/kg
ACUTE TOXICITY* (INHALATION):.....>20,000 ppm V (Gas), >20 mg/l (Vapor), >5 mg/l (Dust)

*Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6)

12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: As recommended by local, state and federal authorities.


14 – TRANSPORTATION INFORMATION

DOT:
PROPER SHIPPING NAME:..... Compounds, cleaning liquid (contains Disodium trioxosilicate, Sodium hydroxide)
HAZARD CLASS:..... 8
UN/NA NUMBER: NA 1760
PACKAGING GROUP : III

IMDG CODE :
PROPER SHIPPING NAME :..... CORROSIVE LIQUID, N.O.S. (DISODIUM TRIOXOSILICATE, SODIUM HYDROXIDE)
HAZARD CLASS :..... 8
UN NUMBER : UN 1760
PACKAGING GROUP : III

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15 – REGULATIONS

California Proposition 65:.....  **WARNING:** This product can expose you to chemicals including 1,4-Dioxane, which are known to the State of California to cause cancer, and Ethylene Oxide, which are known to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

INGREDIENT	C.A.S. NUMBER	Listed Date
Ethylene Oxide	100-41-4	07/01/1987 (Cancer)

		08/07/2009 (Developmental Toxicity & Male Reproductive Toxicity)
1,4-Dioxane	123-91-1	02/27/1987 (Female Reproductive Toxicity)

Dichloromethane	75-09-2	04/01/1988 (Cancer)

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

16 – OTHER INFORMATION

NFPA HEALTH:..... 3
NFPA FLAMMABILITY:..... 0
NFPA REACTIVITY:..... 1
NFPA OTHER:..... Alkali

ADDITIONAL:..... The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guaranty expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The manufacturer assumes no responsibility for injury from the use of this product. Be safe—read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it. This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

REVISION DATE: 12/05/2023