

Material Safety Data Sheet



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1-877-I-BUY-ZEP (428-9937)
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Section 1. Chemical Product and Company Identification

Product name FLASH
Product use Concrete Cleaner
Product code 0723
Date of issue 05/13/08 **Supersedes** 11/09/05

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
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

DANGER !

CAUSES EYE AND SKIN BURNS.

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



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.

Eyes

Corrosive to eyes. Direct contact with the eyes can cause irreversible damage, including blindness.

Skin

Skin contact may produce burns. The amount of tissue damage depends on length of contact. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation

Avoid breathing dust. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.

Ingestion

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

Chronic effects

Repeated or prolonged exposure to the substance can produce target organs damage. Contains material which may cause damage to the following organs: upper respiratory tract, eyes. 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.

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

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

	<u>CAS number</u>	<u>% by Weight</u>
SODIUM METASILICATE; silicic acid (H ₂ -Si-O ₃) disodium salt; water glass	6834-92-0	70 - 80
SODIUM CARBONATE; soda ash; carbonic acid, disodium salt	497-19-8	5 - 15

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 contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing or wear gloves. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Get medical attention immediately.

Inhalation

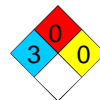
Move exposed person to fresh air. Flush mouth and nasal passages with water repeatedly. If irritation persists, get medical attention.

Ingestion

Do not induce vomiting unless directed to do so by medical personnel. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	Not applicable
Flammable Limits	Not applicable
Flammability	Not applicable
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. 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	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use with adequate ventilation. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Observe label precautions.
Storage	Contains moisture-sensitive material. Store in a dry place. 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. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

SODIUM METASILICATE; silicic acid (H₂-Si-O₃) disodium salt; water glass

Exposure limits

ACGIH TLV (United States).

TWA: 10 mg/m³ 8 hour(s). Form: Dust

OSHA PEL (United States).

: 15 mg/m³ Form: Dust

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

Personal Protective Equipment (PPE)

Eyes	Splash goggles. Recommended: Face shield.
Body	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves. Chemical-resistant apron. Chemical resistant boots.
Respiratory	Use with adequate ventilation. 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	Orange.
pH	Not applicable.	Odor	Pine
Boiling Point	Not applicable.	Vapor Pressure	Not applicable.
Specific Gravity	Not applicable.	Vapor Density	Not applicable.
Solubility	Soluble in the following materials: cold water and hot water.	Evaporation Rate	Not applicable.
		VOC (Consumer)	0.67%

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Slightly reactive or incompatible with the following materials: metals and acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ etc.)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Sodium Metasilicate	LD50 Oral	Rat	2200 mg/kg	-
Sodium Carbonate	LD50 Oral	Rat	2800 mg/kg	-

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 Code: - (None.)
Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not applicable.	Not a DOT controlled material (United States).			
IMDG Class	Not determined.				

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: 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

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.