



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
 Atlanta, GA 30301
 1-877-I-BUY-ZEP (428-9937)
 www.zep.com

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name SUPER FLASH
Product Use Concrete Cleaner
Product Code 0794
Date of issue 11/10/05 **Supersedes** 08/02/04

Emergency For MSDS Information:
Telephone Numbers Acuity Specialty Products Group, Inc.
 Compliance Services 1-877-I-BUY-ZEP (428-9937)

GLOUCESTER CITY SCHOOL GARAGE
 RT 17
 GLOUCESTER VA 23061

For Medical Emergency
 INFOTRAC:
 (877) 541-2016 Toll Free - All Calls Recorded

TRANSPORTATION DEPT

For a 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 Group
 Acuity Specialty Products Group
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
SODIUM METASILICATE; silicic acid (H2-Si-O3) disodium salt; water glass	6834-92-0	70 - 80	ACGIH TLV (United States). TWA: 10 mg/m ³ 8 hour(s). Form: Dust OSHA PEL (United States). : 15 mg/m ³ Form: Dust
SODIUM CARBONATE; soda ash; carbonic acid, disodium salt	497-19-8	10 - 20	ACGIH (United States). : 15 mg/m ³ Form: Dust OSHA PEL (United States). TWA: 15 mg/m ³ 8 hour(s). Form: Total dust
TRISODIUM ORTHOPHOSPHATE; TSP; phosphoric acid, trisodium salt; sodium phosphate, tribasic	10101-89-0	10 - 20	ACGIH TLV (United States). TWA: 10 mg/m ³ 8 hour(s). Form: Inhalable TWA: 3 mg/m ³ 8 hour(s). Form: Respirable OSHA PEL (United States). TWA: 15 mg/m ³ 8 hour(s). Form: Total dust TWA: 5 mg/m ³ 8 hour(s). Form: Respirable

Section 3. Hazards Identification

Acute Effects

Routes of Entry Dermal contact.

HMIS

Health	3
Reactivity	0
Personal Protection	D,q

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.

Eyes

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

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.

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

The substance may be toxic to upper respiratory tract, eyes. Repeated or prolonged exposure to the substance can produce target organs damage. 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 degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

See Toxicological Information (section 11)

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 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. 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. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	Not applicable.	Flammable Limits	Not applicable.
Flammability	Not applicable.		
Fire Hazard	Not applicable.		
Fire-Fighting Procedures	No special measures required.		


**Section 6. Accidental Release Measures**

Spill Clean up	Put on appropriate personal protective equipment (see Section 8). Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling. Wash contaminated clothing before reusing. Observe label precautions.
Storage	Contains moisture sensitive material; store in a dry place. Store away from incompatible materials. Keep container tightly closed in a cool, well-ventilated place. Store between 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	Splash goggles. Recommended: Face shield.	Protective Clothing (Pictograms) 
Body	Wear appropriate protective clothing to prevent skin contact. Rubber gloves. Neoprene gloves. Nitrile gloves. Chemical resistant apron. Chemical resistant boots.	
Respiratory	Use with adequate ventilation. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source. If dust is generated and ventilation is inadequate, use NIOSH certified respirator that will protect against dust/mist.	

Section 9. Physical and Chemical Properties

Physical State	Solid. (Powder.)	Color	Yellowish. Orange.
pH	Not applicable.	Odor	Mild.
Boiling Point	Not applicable.	Vapor Pressure	Not applicable.
Specific Gravity	Not applicable.	Vapor Density	Not applicable.
Solubility	Soluble in cold water, hot water.	Evaporation Rate	Not applicable.
		VOC (Consumer)	0.78%

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Slightly reactive to reactive with metals, acids.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂) and oxides of phosphorus.

Section 11. Toxicological Information

Toxicity to Animals	Sodium Metasilicate:
	ORAL (LD50): Acute: 2200 mg/kg [Rat].
	Sodium Carbonate:
	ORAL (LD50): Acute: 2800 mg/kg [Rat].
	Trisodium Orthophosphate:
	ORAL (LD50): Acute: 6500 mg/kg [Rat].
	DERMAL (LD50): Acute: >300 mg/kg [Rabbit].

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

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not applicable.

DOT Classification Not a DOT controlled material (United States).

UN number Not applicable.

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.

Section 15. Regulatory InformationU.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
No products were found.

Clean Water Act (CWA) 311: Trisodium Orthophosphate (RQ 5,000 lbs)

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.

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.

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