



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List) **Grout Blast**

Section I

Manufactured for: Apeiron by Betco Corporation	Emergency Telephone Number Chemtrec (800)424-9300
Address: Betco Corporation 1001 Brown Avenue Toledo, OH 43607	Telephone Number for Information 419-241-2156 Date Prepared 8/20/08

Section II—Information on Ingredients

Components & Information on Ingredients	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Phosphoric Acid	7664-38-2	30-35	TWA: 1 (mg/m ³) TWA: 1 (mg/m ³) from OSHA (PEL) [United States] STEL: 3 (ppm)	Not available.

Section III—Physical/Chemical Characteristics

Boiling Point	218°F initial	Specific Gravity (H ₂ O = 1)	1.18 (Water = 1)
Vapor Pressure (mm Hg)	<20mm Hg @ 68°F	Melting Point	Not available.
Vapor Density (AIR = 1)	>1	Evaporation Rate	< 1 compared to Water

Solubility in Water
Easily soluble in cold water.

Appearance and Odor
Liquid. Odorless. Yellow.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): Not available.	Flammable Limits: Not available.	LEL Not available.	UEL Not available.
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Extinguishing Media
N/A

Special Fire Fighting Procedures
No additional remark.

Unusual Fire and Explosion Hazards
No additional remark.

(Reproduce locally)

OSHA 174 Sept. 1985

Section V—Reactivity Data

Stability This product is stable.	Conditions to Avoid Not available.
Incompatibility (Materials to Avoid) Strong alkalis, oxidizers, reactive metals.	Hazardous Decomposition or Byproducts Not available.
Hazardous Polymerization Not available.	Conditions to Avoid Not available.

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Section VI—Health Hazard Data

Route(s) of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Health Hazards (*Acute and Chronic*)

Eyes: Severe eye irritant. Liquid and mist may burn or injure the eyes. **Skin:** Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis. **Inhalation:** May be irritating to mucous membranes of the nose, throat, and lungs. **Ingestion:** May be irritating or corrosive to the mouth and throat. Can cause nausea and vomiting.

Carcinogenicity	NTP Not classified or listed by NTP	IARC Monographs Not classified or listed by IARC	OSHA Regulated Not classified or listed by OSHA
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Potential Acute Health Effects

Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may product severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

Medical Conditions Generally Aggravated by Exposure

Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation. Severe over-exposure can result in death.

Emergency and First Aid Procedures

Eye Contact: Corrosive to eyes. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention. **Skin Contact:** Corrosive to skin. Remove contaminated clothing. Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. **Inhalation:** Get to fresh air. Seek medical attention if symptoms persist. **Ingestion:** Corrosive to mouth, throat and gastrointestinal system. Do not induce vomiting. Give large quantities of water or milk. Seek medical attention immediately.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Small Spill & Leak: Absorb with an inert material and put the spilled material in an appropriate waste disposal. **Large Spill & Leak:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Waste Disposal Method

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Precautions to Be Taken in Handling and Storing

Precautions: Ensure that eyewash station and safety shower is proximal to the workstation location. Avoid contact with skin and eyes. Do no breathe gas/fumes/vapor/spray. **Storage:** Corrosive materials should be stored in a separate safety cabinet or room. Keep out of the reach of children. This product should be stored AWAY from oxidizing materials and strong bases. Not for use or storage in or around the home.

Other Precautions

Incompatible with strong alkalis, oxidizers, reactive metals.

Section VII—Control Measures

Respiratory Protection (*Specify Type*)

Wear appropriate respirator when ventilation is inadequate.

Ventilation Good general ventilation should be sufficient to control airborne levels.

Protective Gloves Wear impervious gloves.	Eye Protection Wear splash goggles
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Other Protective Clothing or Equipment Wear long pants and long sleeves to avoid skin contact.