



Chemical Name: Concrete and Masonry Cleaner/Etcher

Manufacturer: Behr

Container size: 1 gallon

Location: VLA

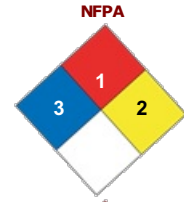
Disposal: Place empty container in trash.



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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Concrete & Masonry Cleaner/Etcher No. 991
MSDS Manufacturer Number: 991
Manufacturer Name: BEHR Process Corporation
Address: 3400 W. Segerstrom Avenue
 Santa Ana, CA 92704
General Phone Number: (714) 545-7101
General Fax Number: (714) 241-1002
Customer Service Phone Number: (800) 854-0133 ext. 2
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Creation Date: June 26, 2006
MSDS Revision Date: February 20, 2009
MSDS Format: According to ANSI Z400.1-2004



HMIS	
Health Hazard	3
Fire Hazard	1
Reactivity	2
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Glycols, polyethylene, mono((1,1,3,3-tetramethylbutyl)phenyl) ether	9036-19-5	1 - 5 by weight
Diethylene glycol monobutyl ether	112-34-5	1 - 5 by weight
Non hazardous ingredient(s)	No data	30 - 60 by weight
Phosphoric acid	7664-38-2	30 - 60 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Corrosive. Irritant.
Potential Health Effects:
Eye: Corrosive. Will cause eye burns and permanent tissue damage.
Skin: Severely irritating; may cause permanent skin damage.
Inhalation: May cause severe respiratory system irritation.
Ingestion: Harmful if swallowed. Corrosive to the gastrointestinal tract.
Chronic Health Effects: Prolonged skin contact causes burns.
 Repeated or prolonged inhalation may cause toxic effects.
Signs/Symptoms: Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes. Vapors may cause respiratory irritation.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions: May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes.
 Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid: Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	No Data
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Ratings:

NFPA Health:	3
NFPA Flammability:	1
NFPA Reactivity:	2

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Corrosive. Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Neutralize residue with appropriate neutralizer. Do not attempt to neutralize large quantities of material unless measures to control reactivity and heat generation have been taken. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Corrosive. Use proper personal protective equipment as listed in section 8.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

Phosphoric acid:

Guideline ACGIH:	TLV-TWA: 1 mg/m3 TLV-STEL: 3 mg/m3
Guideline OSHA:	OSHA-TWA: 1 mg/m3

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Boiling Point:	No Data
Melting Point:	No Data
Density:	10 - 12 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
pH:	0 to 2
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 63 gm/l (Includes Water) Coating VOC.: 166 gm/l (Excludes Water)

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Glycols, polyethylene, mono(1,1,3,3-tetramethylbutyl)phenyl) ether :

RTECS Number:	MD0907600
Eye:	Eye - Rabbit; Standard Draize Test. : 1%; severe. (RTECS)
Ingestion:	Ingestion - Rat LD50: 4190 mg/kg; Details of toxic effects not reported other than lethal dose value. Ingestion - Mouse LD50: 3500 mg/kg; Details of toxic effects not reported other than lethal dose value.. (RTECS)

Diethylene glycol monobutyl ether :

RTECS Number:	KJ9100000
Eye:	Eye - Rabbit; Standard Draize Test. : 20 mg; severe. Eye - Rabbit; Standard Draize Test. : 20 mg/24H; Moderate. (RTECS)
Skin:	Skin - Rabbit LD50: 2700 mg/kg; Details of toxic effects not reported other than lethal dose value.] (RTECS)
Ingestion:	Ingestion - Rat LD50: 4500 mg/kg; Behavioral - tetany Lungs, Thorax, or Respiration - dyspnea Liver - other changes Ingestion - Rat LD50: 5660 mg/kg; Details of toxic effects not reported other than lethal dOral - mouse LD50: 2400 mg/kg - Details of toxic effects not reported other than lethal dose value. Ingestion - Mouse LD50: 6050 mg/kg - [Behavioral - tetany Lungs, Thorax, or Respiration - dyspnea Liver - other changes. (RTECS)

Phosphoric acid :

RTECS Number:	TB6300000
Eye:	Eye - Rabbit; Standard Draize Test. : 119 mg; severe . (RTECS)
Skin:	Skin - Rabbit; Standard Draize Test. : 595 mg/24H; severe . (RTECS)
Inhalation:	Inhalation - Rat LC50: 25.5 mg/m ³ ; Lungs, Thorax, or Respiration - acute pulmonary edema Liver - changes in liver weight . (RTECS)
Ingestion:	Ingestion - Rat LD50: 1530 mg/kg; Behavioral - somnolence (general depressed activity) Kidney, Ureter, Bladder - hematuria Skin and Appendages - hair . (RTECS)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
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SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint related material
DOT UN Number:	UN3066
DOT Hazard Class:	8
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

California PROP 65:	WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.
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Glycols, polyethylene, mono(1,1,3,3-tetramethylbutyl)phenyl) ether :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Diethylene glycol monobutyl ether :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Phosphoric acid :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 3
HMIS Fire Hazard: 1
HMIS Reactivity: 2
HMIS Personal Protection: x
MSDS Creation Date: June 26, 2006
MSDS Revision Date: February 20, 2009
MSDS Revision Notes: Name change.
MSDS Author: Actio Corporation

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