

SAFETY DATA SHEET

Break Through

Date Prepared : 5/22/2015

SDS No : 4050_SDS

Date Revised: 7/20/2023

Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Break Through
GENERAL USE: Deep Cleaning Tile & Grout Cleaner
PRODUCT CODE: 4050
MANUFACTURER

Perform Mfg
 1624 S. 45th St.
 Kansas City, KS 66106
Emergency: 913-722-1557
Customer Service: 800-423-9861
E-Mail: sales@performmfg.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Infotrac 800-535-5053

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion / Irritation, Category 1
 Serious Eye Damage / Eye Irritation, Category 1

GHS LABEL

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P314: Get medical advice/attention if you feel unwell.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	< 10	77-92-9
Phosphoric Acid	< 5	7664-38-2
Benzenesulfonic Acid, C10-16-alkyl Derivs.	< 5	68584-22-5
Nonylphenol (branched), Ethoxylated	< 4	127087-87-0

4. FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.

SKIN: Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. Call a POISON CENTER or doctor / physician. Remove and wash contaminated clothing before re-use.

INGESTION: Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center.

INHALATION: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center if you feel unwell.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action should be taken involving any personal risk or without suitable training.

EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

OTHER CONSIDERATIONS: In a fire or if heated, a pressure increase will occur and the container may burst.

FIRE FIGHTING PROCEDURES: Move containers from fire if possible without risk. Cool tightly closed container with water from the side until well after fire is out.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if not water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

7. HANDLING AND STORAGE

HANDLING: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Phosphoric Acid	TWA		1		1	NL	NL
	STEL				3	NL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles with the use of any liquid products.

SKIN: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

PROTECTIVE CLOTHING: Wear chemical protective clothing e.g. gloves, aprons, boots. As conditions required.

WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Specific Gravity
Phosphoric Acid	11	22	33	44

PHYSICAL STATE: Liquid

ODOR: Typical

ODOR THRESHOLD: No data available

APPEARANCE: Colored Liquid

pH: 1.5 to 2.0

FLASH POINT AND METHOD: NA = Not Applicable

FLAMMABLE LIMITS: 0 to 0

Notes: No data available

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

BOILING POINT: No data available

THERMAL DECOMPOSITION: No data available

SOLUBILITY IN WATER: Completely soluble

EVAPORATION RATE: Similar to water

DENSITY: No data available

SPECIFIC GRAVITY: 1.256

10. STABILITY AND REACTIVITY**STABLE:** Yes**HAZARDOUS POLYMERIZATION:** No**STABILITY:** Stable under recommended storage conditions.**POLYMERIZATION:** Hazardous polymerization does not occur.**CONDITIONS TO AVOID:** No data available**POSSIBILITY OF HAZARDOUS REACTIONS:** Under normal conditions of storage and use, hazardous reactions will not occur.**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.**INCOMPATIBLE MATERIALS:** Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.**11. TOXICOLOGICAL INFORMATION****EYE EFFECTS:** Eye Damage/Irritation**SKIN EFFECTS:** Causes severe skin burns.**CHRONIC:** No data available**SUBCHRONIC:** No data available**CARCINOGENICITY**

Chemical Name	General Toxicity
Phosphoric Acid	None known.

REPEATED DOSE EFFECTS: No data available**NEUROTOXICITY:** No data available**GENETIC EFFECTS:** No data available**REPRODUCTIVE EFFECTS:** No data available**TARGET ORGANS:** No data available**TERATOGENIC EFFECTS:** No data available**MUTAGENICITY:** No data available**SYNERGISTIC MATERIALS:** No data available**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** This material has not been tested for acute environmental effects.**ECOTOXICOLOGICAL INFORMATION:** No known significant effects or critical hazards.**DISTRIBUTION:** No data available**CHEMICAL FATE INFORMATION:** No data available**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** This material, as supplied, is not a hazardous waste according to federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixing with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Corrosive Liquid N.O.S.**TECHNICAL NAME:** (Contains; Phosphoric Acid)

PRIMARY HAZARD CLASS/DIVISION: 8**UN/NA NUMBER:** UN1760**PACKING GROUP:** III**LABEL:** Corrosive**OTHER SHIPPING INFORMATION:** All products offered for domestic ground transportation that meet the following Exceptions for Class 8 (corrosive materials) will be packaged and shipped as "Limited Qty".

(1) For corrosive materials in Packing Group II, inner packagings not over 1.0 L (0.3 gallon) net capacity each for liquids or not over 1.0 kg (2.2 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

(2) For corrosive materials in Packing Group III, inner packagings not over 5.0 L (1.3 gallon) net capacity each for liquids or not over 5.0 kg (11 lbs) net capacity each for solids, packed in a strong outer packaging with a gross package weight of 66 lbs or less.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

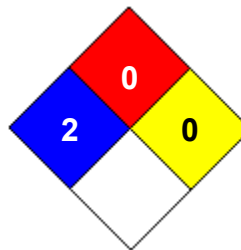
Chemical Name	Wt. %	CERCLA RQ
Phosphoric Acid	< 5	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	77-92-9
Phosphoric Acid	7664-38-2
Benzenesulfonic Acid, C10-16-alkyl Derivs.	68584-22-5
Nonylphenol (branched), Ethoxylated	127087-87-0

16. OTHER INFORMATION**PREPARED BY:** KH **Date Prepared:** 5/22/2015**HMIS RATING**

HEALTH	<input type="text" value=""/>	2
FLAMMABILITY	<input type="text" value=""/>	0
PHYSICAL HAZARD	<input type="text" value=""/>	0
PERSONAL PROTECTION	<input type="text" value=""/>	C

NFPA CODES

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