

1. Identification

Product Identifier	Gorilla Snake Acid Tile Cleaner	
Other means of identification		
Product code	PCS-2421	
Recommended use	Acid bowl cleaner	
Recommended restrictions	Professional use only. Use as directed	
Manufacturer/Importer/Supplier/Distributor Information		
Company name	Professional Cleaning Supply	
Address – Tulsa	7925 E 40 th St Suite A Tulsa, OK 74145	
Address - Oklahoma	4301 SW 21 st St. Oklahoma City, OK 73108	
Telephone-Tulsa	(918) 250-9000	
Telephone – Oklahoma City	(405) 681-1822	
Emergency phone number	PERS 24-hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Corrosive to metals	Category 1
Health hazards	Serious eye damage	Category 1
	Skin corrosion	Category 1
Environmental hazards	Not classified	
OSHA defined hazards	None	
Label elements		



Signal word	DANGER
Hazard statement	May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Keep only in original container. Do not breathe dusts or mists. Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	Absorb spillage to prevent material damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable breathing. Immediately call a POISON CENTER/doctor/medical professional. Specific treatment (see supplemental information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Storage	Store in corrosive resistant container with a resistant inner lining. Store locked up.



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Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None.

Supplemental information None.

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	Purpose	%
Water	7732-18-5	Solvent	70-80%
Phosphoric Acid	7664-38-2	pH Adjuster	15-25%
Nonylphenol	127087-87-0	Surfactant	1-5%
Polyoxyethylene Tallow Amine	61791-26-2	Surfactant	1-5%
Glycol Ethers	PROPRIETARY	Stabilizer	0-1%

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.

Ingestion Rinse mouth. Give sips of water or milk as acceptable by the injured person. Get medical attention immediately. Do not induce vomiting. If vomiting occurs keep head low to prevent stomach contents entering the lungs

Most important symptoms/effects, acute and delayed Can cause serious eye damage. Can cause burning sensation in affected areas. Shortness of breath, respiratory tract irritation or damage. Phosphoric acid is destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin. Pain, swelling excessive tearing and redness of the eye.

Indication of immediate medical attention and special treatment needed Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with extreme caution.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Alcohol-resistant Foam. Dry chemical powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media None specified

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed (hydrogen chloride gas).

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.

Fire-fighting equipment/instructions Move containers from fire area if you can do so without risk. Contents are corrosive to metal articles

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.



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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

This product is fully miscible in water.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, storm sewers or confined areas where off-gases may accumulate. Following product recovery, spread acid-neutralizing material and flush area with water .

Small spills: Wipe up with absorbent material (e.g. cloth, absorbent). Clean surface thoroughly with a dilute solution of bicarbonate of soda or dish soap to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into surface drainage paths and other areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Phosphoric acid	PEL	1 mg/m ³ 5 ppm

US ACGIH Threshold Limit Values

Components	Type	Value
Phosphoric acid	PEL	1 mg/m ³
	STEL	3 mg/m ³

Biological limit values

No information.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.



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Individual protection measures, such as personal protective equipment

Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile, latex and PVC rubber.
Other	Wear appropriate chemical resistant clothing. Use of a chemically- impervious apron is recommended. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods and/or coveralls.
Respiratory protection	In case of insufficient ventilation, wear suitable NIOSH-approved respiratory equipment in accordance with implemented policy and prescribed regulation.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical State	Viscous liquid.
Color	Colorless.
Odor	Essential oil/floral
Odor threshold	Not available.
pH	0-1
Melting/freezing point	2.7°F (-14°C) estimated.
Initial boiling point and boiling range	>212°F (>100°C)
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	<0.01 mmHg at 77°F (25°C).
Vapor density	Not available.
Specific gravity (water=1)	1.14
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
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Chemical stability	Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Avoid storage in elevated temperatures.
Incompatible materials	Strong bases, amines, zinc and transition metals.
Hazardous decomposition products	No hazardous decomposition products occur under conditions of normal storage. In case of fire see section 5.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Do not ingest. May be harmful if swallowed.
Inhalation	Do not inhale. May cause damage to the upper respiratory tract.
Skin contact	Can cause severe skin burns.
Eye contact	Can cause serious eye damage.
Symptoms related to the physical, chemical and toxicological characteristics	Burning sensation, coughing, wheezing, shortness of breath. Hydrochloric acid is extremely destructive to mucous membranes and upper respiratory tract, eyes, and skin.
Acute toxicity	May be harmful if swallowed.

Product Gorilla Snake Acid Tile Cleaner (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	3,412 mg/kg (estimated)
Acute	Dermal, rabbit	2,740 mg/kg (Literature)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Can cause severe skin burns.
Serious eye damage/ irritation	Can cause serious eye damage.
Respiratory sensitization	Not considered a respiratory sensitizer.
Skin sensitization	Not considered a skin sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to human carcinogenicity (Contains trace quantities (<10 ppm) ethylene oxide identified in IARC, NTP and OSHA registries as a known human carcinogen)
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	No data available.
Specific target organ toxicity – single exposure	Not classified.
Specific target organ toxicity – repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological information

Ecotoxicity		
Product Gorilla Snake Acid Tile Cleaner (CAS mixture)		
Aquatic Receptor	Species	LC ₅₀
Fish	Rainbow trout (<i>Oncorhynchus mykiss</i>)	LC ₅₀ (96-hour) >128 mg/L (estimated)
Crustacea	Daphnia (water flea)	EC ₅₀ (48-hour) > 18 mg/L (Literature)
Algae	NS – Blue-Green	EC ₅₀ (96-hour) >80 mg/l (estimated)
*Estimates for product may be based on additional component data not shown		



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Specific toxicity threshold cannot be derived as the potential effects are highly dependent upon the pH of the receiving water and its buffer capacity highly variable.

Persistence and degradability	No data available. Chemicals of this class are not expected to be persistent in an open, aerobic environment
Bioaccumulative potential	Not data available. Bio-accumulation potential is expected to be very low for a reactive class of material
Partition coefficient n-octanol/water (log K_{ow})	<1.22
Mobility in soil	No data available. Primary listed components are inorganic and highly water-soluble. In aqueous medium, the listed chemical(s) will readily dissociate into ionic molecules that will be weakly adsorbed onto organic matter particles. These components are expected to exhibit moderate to high mobility in saturated and semi-saturated soils.
Other adverse effects	Harmful to plants or wildlife in high concentrations. No other adverse environmental effects known (<i>i.e. ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor or other deleterious environmental effect</i>)

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company. As packaged, this product may meet criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

USDOT

UN number	UN1805
UN proper shipping name	Phosphoric acid, solution
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packaging group	II
Marine pollutant	No
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not intended to be transported in bulk.
DOT Label/Placard	



15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

- Immediate Hazard - Yes
- Delayed Hazard – No
- Fire Hazard – No
- Pressure Hazard – No
- Reactivity Hazard – No

SARA 313 (TRI reporting)

Glycol ethers

SARA 304 Emergency Release Notification

Ethylene Oxide 10 pounds

OSHA Specifically Regulated Substances

Ethylene Oxide (CAS 75-21-8) Cancer, Mutagenicity, Central nervous system

TSCA – All chemical components used to manufacture this product comply with the Toxic Substances Control Act (TSCA) registry requirements and are either listed within, or exempted from, the current TSCA 8(b) inventory.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

16. Other information, including date of preparation or last revision

Issue date 6/3/2020
Revision date 12/3/2020
Version # 2
HMIS® ratings Health: 2
 Flammability: 0
 Physical hazard: 0

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

Acid

NFPA ratings Health: 2
 Flammability: 0
 Instability: 0



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information

Updated composition and HMIS/NFPA ratings in accordance with industry standards.