



SAFETY DATA SHEET

1. Identification

Product Identifier	Gorilla Flex	
Other means of identification		
Product code	PCS-3217	
Recommended use	Heavy duty degreaser.	
Recommended restrictions	Professional use only.	
Manufacturer/distributor/supplier/importer information		
Company name	Professional Cleaning Supply	
Address		
Tulsa	7925 E 40 th St Suite A Tulsa, OK 74145	
Oklahoma City	4301 SW 21 st St. Oklahoma City, OK 73108	
Telephone		
Tulsa	(918) 250-9000	
Oklahoma City	(405) 681-1822	
Emergency phone number	PERS	(800) 633-8253
	24 hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity	Category 5
	Serious eye damage	Category 1
	Skin corrosion	Category 1B
Environmental hazards	Not classified.	
OSHA defined hazards	Not listed.	
Label elements		



Signal word	Danger.
Hazard statement	May be harmful if swallowed. Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Do not breathe dusts or mists. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	Call a POISON CENTER/doctor/medical professional if you feel unwell. 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 Section 4 on the Safety Data Sheet). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.



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

Supplemental information None.

SAFETY DATA SHEET

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	CAS number	Purpose	%
Water	7732-18-5	Solvent	70-80%
2-butoxyethanol	111-76-2	Solvent	10-15%
Sodium Tripolyphosphate	7758-29-4	Chelating Agent	1-5%
C8-10 Ethoxylate Phosphate	68130-47-2	Surfactant	1-5%
Nonylphenol, ethoxylated	127087-87-0	Surfactant	1-5%
Sodium Xylene Sulfonate	1300-72-7	Coupling Agent	1-5%
Tetrasodium EDTA	64-02-8	Chelating Agent	1-5%
Potassium hydrate	1310-58-3	pH Adjustment	1-5%
Fragrance	Proprietary	Colorant	0-1%
Sodium glycolate	2836-32-0	Buffering Agent	0-1%
Trisodium NTA	5064-31-3	Chelating Agent	0-1%
Sodium hydroxide	1310-73-2	pH Adjustment	0-1%
Sodium Sulfate	7757-82-6	Viscosity Increasing Agent	0-1%
Tetrasodium Pyrophosphate	231-767-1	Buffering Agent	0-1%
Glycol Ethers	PROPRIETARY	Stabilizer	<0.1%
Sodium Trimetaphosphate	7785-84-4	Processing Aid	<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. Get medical attention. Eye wash stations should be located in work area.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. May cause an allergic skin reaction.
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.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂)
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
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.



SAFETY DATA SHEET

Specific methods Use standard firefighting procedures and work with care around other involved materials.
General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.

Methods and materials for containment and cleaning up Caution – spillages may be slippery.
 Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas.
 Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
 Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Do not release into the environment (see section 12). Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Do not store in extreme conditions.

8. Exposure controls/personal protection

Occupational exposure limits

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

Components	Type	Value
2-butoxyethanol	PEL	50 ppm
Potassium hydroxide	PEL	2 mg/m ³

US ACGIH Threshold Limit Values

Components	Type	Value
2-butoxyethanol	STEL	20 ppm
Potassium hydroxide	STEL	2 mg/m ³

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
2-butoxyethanol	200 mg/g	Creatinine	Urine	End of shift.

Appropriate engineering controls Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.

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 Wear appropriate chemical resistant gloves.



Other	None.
Respiratory protection	Respiratory protection not required.
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.

SAFETY DATA SHEET

9. Physical and chemical properties

Appearance	
Physical State	Liquid.
Color	Colorless.
Odor	Citrus.
Odor threshold	Not available.
pH	13-14
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (100°C)
Flash point	>212°F (100°C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.02
Solubility in water	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposes on heating.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames can cause product to decompose.
Incompatible materials	Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products	Aldehydes, ketones, organic acids, carbon dioxide, carbon monoxide.

11. Toxicological information

Information on likely routes of exposure	
Ingestion	Corrosive to mucous membranes, will damage tissue if there is prolonged contact.
Inhalation	Expected to be a low inhalation hazard.



SAFETY DATA SHEET

Skin contact Repeated and/or prolonged skin contact causes irritation and burns.

Eye contact Causes severe eye damage. May cause severe corneal injury.

Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash. May cause an allergic skin reaction.

Acute toxicity May be harmful if swallowed.

Product Gorilla Flex (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀ /LC ₅₀
Acute	Oral, rat	3,500 mg/kg estimated
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation Causes severe skin damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Not considered a carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not Listed.

Reproductive toxicity Not classified.

Specific target organ toxicity – single exposure Not classified.

Specific target organ toxicity – repeated exposure Not classified.

Aspiration hazard Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity		
Product Gorilla Flex (CAS mixture)		
Aquatic Receptor	Species	Test Threshold
Crustacea	Daphnia magna (water flea)	EC ₅₀ (48-hr): 320 mg/L (estimated)
Fish	Fathead Minnow	LC ₅₀ (96-hr): 146 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability Nonylphenyl ethoxylate: not considered readily biodegradable, but doesn't mean this material isn't biodegradable under certain environmental conditions.

Bioaccumulative potential No data available.

Mobility in soil Not available.

Other adverse effects The pH of this product may cause it to be toxic to aquatic and terrestrial organisms.

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. Do not release to the environment.

Local disposal regulations Dispose in accordance with all applicable regulations.

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).



SAFETY DATA SHEET

Contaminated packaging

Empty containers should be taken to an approved Waste Recycling Site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number	UN1760
UN proper shipping name	Corrosive Liquids, n.o.s. (Contains: Potassium Hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packaging group	III
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



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) inventories.

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 (1/2020)



16. Other information, including date of preparation SAFETY DATA SHEET

Issue date 5/13/2015
 Revision date 12/1/2020
 Version # 2
 HMIS® ratings Health: 2
 Flammability: 0
 Physical hazard: 0

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

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.

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