SAFETY DATA SHEET

1. Identification

Product Identifier	**Gorilla Re-shine Cleaner and Restorer**	
Other means of identification	PCS-2110	
Product code		
Recommended use	Surface cleaner and shine restoration.	
Recommended restrictions	Professional use only. Use as directed	
Manufacturer information		
Company name	Professional Cleaning Supply	
Address		
Tulsa	7925 E 40th St Suite A Tulsa, OK 74145	
Oklahoma City	4301 SW 21st St. Oklahoma City, OK 73108	
Telephone		
Tulsa	(918) 250-9000	
Oklahoma City	(405) 681-1822	
Company name	Professional Cleaning Supply	
Emergency phone number	PERS	(800) 633-8253
	24 hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	None	
Health hazards	Acute toxicity, oral	Category 4
	Specific Target Organ Toxicity	Category 3
	Serious eye irritation	Category 4
Environmental hazards	Not classified.	
OSHA defined hazards	None.	
Label elements		

Signal word **WARNING**

Hazard statement
Harmful if swallowed.
May cause damage to organs or central nervous system through prolonged or repeated exposure if swallowed.

Precautionary statement

Prevention
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.. Wear protective gloves/protective clothing/eye protection/face protection.

Response

	IF SWALLOWED: Immediately call a poison center/doctor/medical professional. Specific treatment: see first aid instructions in section 4. Rinse mouth with water. Do NOT induce vomiting. IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Keep segregated from strong acids and oxidizing chemicals (bleach)
Disposal	Dispose of contents/containers 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	85-95%
Nonylphenol	127087-87-0	Surfactant	5-10%
Dispersant	PROPRIETARY	Dispersant	1-5%
Isopropanol	67-63-0	Solvent	1-5%
2-butoxyethanol	111-76-2	Solvent	1-5%
d'Limonene	5989-27-5	Solvent	0-1%
Glycol Ethers	PROPRIETARY	Stabilizers	0-1%
Fragrance	PROPRIETARY	Fragrance Component	0-1%
Citral	5392-40-5	Fragrance Component	<0.01%
Linalool	78-70-6	Fragrance Component	<0.01%
Orange Dye	PROPRIETARY	Colorant	<0.01%
Myrcene	123-35-3	Fragrance Component	<0.01%
Geraniol	106-24-1	Fragrance Component	<0.001%

4. First-aid measures

General advice:	First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment
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.. Seek medical attention and take along this data sheet. Destroy contaminated leather items such as shoes, belts, and watchbands. Suitable emergency safety shower facility should be immediately available.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. If effects occur, consult a physician, preferably an ophthalmologist.
Ingestion	Rinse mouth. Get medical attention immediately. Do not induce vomiting. If victim is conscious, give up to 8 ounces of water to help minimize potential effects
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. Potassium hydroxide is extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin.

Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Due to structural analogy and clinical data, this material may have a mechanism of intoxication similar to ethylene glycol. On that basis, treatment similar to ethylene glycol intoxication may be of benefit Consult standard literature for details of treatment. Fomepizole protocol may be effective. Continue fomepizole until serum methanol, EG, DEG, TEG or EGBE are undetectable. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.
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 appropriate level of caution.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will often spread the fire or increase risks of container rupture.
Specific hazards arising from the chemical	During fire, gases that are hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full turn-out clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak.. 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
Methods and materials for containment and cleaning up	This product is fully miscible in water. Large spills: Stop the flow of material, if this can be done without physical risk to responders. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or Fuller's earth and place into containers for subsequent marking and disposal Where practical, trained personnel should manage any liquid spillage before collecting. Prevent entry into waterways, sewer, basements or rother confined areas. Following product recovery, flush the affected area with water. Small spills: Wipe up with absorbent material (e.g. polypropylene textile, cotton). Clean surface thoroughly to remove residual contamination. Place solid waste into poly bag before placing into general waste streams Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into areas not consistent with product use or 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
Diethylene glycol Monoethyl ether	PEL	None listed
Isopropyl Alcohol	TWA (ACGIH)	980 mg/m^3

US ACGIH Threshold Limit Values

Components	Type	Value
Diethylene glycol monoethyl ether	STEL	100 ppm
Isopropyl Alcohol	STEL	2 mg/m^3

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
Diethylene glycol monoethyl ether	200 mg/g	Creatinine	Urine	End of shift.

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.

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. Butyl or nitrile materials have been shown to provide the higher level of permeation resistance desired for this chemical mixture.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Butyl rubber
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridges with a particulate pre-filters are recommended.
Thermal hazards	Wear appropriate thermal protective clothing, when working with heated materials

General hygiene considerations	When using do not smoke or use chewing tobacco when working with chemical products. 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	Liquid.
Color	Translucent orange
Odor	Characteristic.
Odor threshold	Not available.
pH	5 -7
Melting/freezing point	18°F (estimated).
Initial boiling point and boiling range	213°F (101°C) to 220° F (estimated)
Flash point	>250°F (121°C) estimated.
Evaporation rate	Not available. Slower than ether
Flammability	Not available.
Flammability Limits	
Upper	23.7%.(estimated)
Lower	1.22%. (estimated)
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.127
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	3.17.
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.
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 acids and strong oxidizers.
Hazardous decomposition products	No hazardous decomposition products occur. 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. Potassium hydroxide is extremely destructive to mucous membranes and upper respiratory tract, eyes, and skin.
Acute toxicity	Harmful if swallowed.

Product Re-Shine Restorer and Cleaner (CAS mixture)		
Exposure Classification	**Route and Species**	**LD_{50}**
Acute	*Oral*, rat	27.90 mg/kg estimated.
Acute	*Dermal*, rabbit	18.22 mg/kg
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Not believed to be a significant irritant or corrosive to skin
Serious eye damage/ irritation	Can cause severe eye irritation
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	Component chemicals not listed as carcinogenic (OSHA, ACGIH, IARC).
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
	Not Listed.
Reproductive toxicity	No data available.
Specific target organ toxicity – single exposure	May cause damage to the upper respiratory tract with prolonged inhalation.
Specific target organ toxicity – repeated exposure	No data available.
Aspiration hazard	No data available.

12. Ecological information

Ecotoxicity		
Product Re-Shine Restorer and Cleaner (CAS mixture)		
Aquatic	**Species**	**Test Thresholds**
Crustacea	Daphnia magna	EC_{50}= 68 mg/L estimated.
Fish	Fathead minnow	LD_{50}= >10 mg/L estimated.
*Estimates for product may be based on additional component data not shown		

Persistence and degradability

No data available. This class of chemical degrades rapidly in an open oxidative environment Current test data indicates low persistence of primary chemical components

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Ethylene glycol monoethyl ether

OECD Biodegradation Tests: Based on analogy. **Biodegradation**	**Exposure Time**	**Method**	**10 Day Window**
90 - 100 %	20 d	OECD 301A Test	pass
82 - 98 %	28 d	OECD 302C Test	Not applicable

Bio-accumulative potential	Not data available. This class of chemical is not readily bioaccumulated
Partition coefficient n-octanol/water (log K_{OW})	-1.92 (estimated)
Mobility in soil	No data available. Ions in solution will have limited mobility in high-clay soils
Other adverse effects	May be harmful to plants or wildlife in extremely high concentrations.

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. The product, as presented, would not be classified as a RCRA hazardous waste upon disposal (40 CFR 262)
Local disposal regulations	Dispose in accordance with all applicable regulations (local, state and federal)
Hazardous waste code	Any applicable waste code should be assigned in discussion between the user, the producer and the solid waste disposal company.
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

DOT

UN number	Not a hazardous material per 49 CFR Part 172
UN proper shipping name	NA)
Transport hazard class(es)	
Class	None
Subsidiary risk	-
Packaging group	NA
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)

Isopropanol – Minimum threshold

Toxic Substances Control (TSCA) All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

California Proposition 65

WARNING

California Safe Drinking Water and Toxic Enforcement Act of 1986

This product can expose you to chemicals including Myrcene, which is known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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

Issue date	12/20/2018
Revision date	12/2/2020
Version #	2
HMIS® ratings	Health: 1 Flammability: 0 Physical hazard: 0

NFPA ratings

Health: 1
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.