SAFETY DATA SHEET

1. Identification

Product Identifier	**Peroxy Orange**
Other means of identification	
Product code	PCS-1600
Recommended use	General Cleaner.
Recommended restrictions	None known.
Manufacturer information	
Company name	**Professional Cleaning Supply.**
Address	7925 E 40th St Suite A Tulsa, OK 74145 4301 SW 21st St. Oklahoma City, OK 73108
Telephone	(918) 250-9000 (405) 681-1822
Emergency phone number	PERS 24-hour (800) 633-8253

2. Hazard(s) Identification

Physical hazards	Not classified	
Health hazards	Skin corrosion Serious eye damage	Category 1A Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	None.	
Label elements		

Signal word	**DANGER**
Hazard statement	Causes severe skin burns and eye damage.
Precautionary statement	
Prevention	Do not breathe mist, vapor or spray Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	**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 for breathing. Immediately call a poison center/doctor/medical professional. Specific treatment (see supplemental first aid section on this label) **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. 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.

3. Composition/information on ingredients

Mixture Component(s)			
Chemical name	**CAS number**	**Purpose**	**%**
Water	7732-18-5	Solvent	75-85%
Alcohols C9-11, Ethoxylated	68439-46-36	Surfactant	10-20%
Hydrogen Peroxide	7722-84-1	Oxidizing Agent	1-10%
d-Limonene	5989-27-5	Fragrance Component	0-5%
Tetrasodium EDTA	64-02-8	Chelating Agent	<1%
Etidronic Acid	2809-21-4	Chelating Agent	<1%
DMDM Hydantoin	6440-58-0	Preservative	<1%
Sodium Glycolate	2836-32-0	Buffering Agent	<0.1%
Trisodium NTA	5064-31-3	Processing Aid	<0.1%
Sodium Hydroxide	1310-73-2	pH Adjuster	<0.1%
Phosphonic Acid	13598-36-2	Processing Aid	<0.1%
Formaldehyde	50-00-0	Preservative	<0.01%
Dye	Proprietary	Colorant	<0.01%

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 warm water for at least 15 minutes. 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. Get medical attention if symptoms occur. 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. Can cause dermatitis, rash. Hydrogen peroxide can temporarily turn the skin white with persistent contact.

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 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 spread liquid-sourced fire.

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.

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. 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.

This product is fully miscible in water.

Methods and materials for containment and cleaning up

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, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, sorbent wipes). Clean surface thoroughly with water 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 release to the open environment. Avoid discharge into closed floor sumps 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
Hydrogen Peroxide	PEL	1 ppm

US ACGIH Threshold Limit Values

Components	Type	Value
Hydrogen Peroxide	TWA	1 ppm

Biological limit values

ACGIH Biological Exposure Indices

No data available.

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 Nitrile and latex are generally recommended for these classes of chemicals

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

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	Clear liquid.
Color	Orange.
Odor	Citrus. No fragrance added.
Odor threshold	Not available.
pH	7.5-9.0
pH (at use dilution 1:16)	8.0-9.5
Melting/freezing point	23°F (-5°C) estimated.
Initial boiling point and boiling range	>212°F (>100°C).
Flash point	>392°F (>200°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)	1.01
Solubility in water	Complete.
Partition coefficient (n-octanol/water)	Not available.
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	Material decomposes with the potential to produce a rupture of unvented closed containers. Avoid storing in excessive heat or sunlight.
Incompatible materials	Metals, organic materials, strong reducing agents, strong bases.
Hazardous decomposition products	No hazardous decomposition products occur. Oxygen can be liberated at temperatures above ambient.

11. Toxicological information

Information on likely routes of exposure	
Ingestion	Do not ingest. May be harmful if swallowed.
Inhalation	Do not inhale. May irritate 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	Severe skin burns, serious eye damage. Can temporarily turn skin white with prolonged contact.

Acute toxicity Expected to have low toxicity to humans.

Product Peroxy Orange (CAS mixture)		
Exposure Classification	**Route and Species**	**LD_{50}**
Acute	*Oral*, rat	5,072 mg/kg (estimated).
Acute	*Dermal,* rat	> 5,200 mg.kg (estimated)
*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 considered a carcinogen.

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

Reproductive toxicity No data available.

Specific target organ toxicity – single exposure May irritate 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 Peroxy Orange (CAS mixture)		
Aquatic	**Species**	**Test Thresholds**
Crustacea	Daphnia magna	EC_{50}= 25 mg/L (estimated)
Fish	Fathead minnow	LD_{50}= 60 mg/L (estimated)
Algae	Non-specific	EC_{50} > 60 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Hydrogen peroxide half-life in freshwater ranges from 8 hours to 20 days, in air from 10 to 20 hours, and in soils from minutes to hours depending upon microbiological activity and metal contamination. Alcohol ethoxylate: considered readily biodegradable.

Bio-accumulative potential Expected to be low. Active component in this product will degrade before accumulation can occur.

Mobility in soil Chemicals of these classes are expected to exhibit moderate to high mobility in saturated and semi-saturated soils

Other adverse effects No other adverse environmental effects known (*i.e. ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor or other deleterious environmental effect*)

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 is not believed to meet criteria defining RCRA 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 Not regulated dangerous goods.

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) Not listed.

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

WARNING: This product can expose you to chemical Formaldehyde, which is known to the State of California to cause cancer and 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	2/15/2021
Revision date	
Version #	1
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

First issue