Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: PS-3010 MSDS Revision: 0007

Description Neutral Peroxide Activated Paint Remover Revision Date: 8/31/2016

Product Number: 16-0404

Product Use: Industrial, Manufacturing or Laboratory use

Manufacturer: Aero Clean Technologies, LLC
1320 Stephenson Ave
Lynchburg, VA 24501

For More Information Call: 434-381-0699 (Monday-Friday 7:00-6:00)

In Case of Emergency Call: 765-271-0430 (24 Hours/Day, 7 Days/Week)

WHMIS Classification / Symbol:

Signal Word: Warning!

Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P337 + P313	If eye irritation persists: Get medical advice/attention.

2. COMPOSITION, INFORMATION ON INGREDIENTS (Not Intended As Specifications)

Description	CAS Number	Concentration
Benzyl alcohol	100-51-6	37 - 47
Hydrogen Peroxide	7722-84-1	5 - 9
Solvent Naphtha, Heavy Aromatic	64742-94-5	3 - 7
1,3 Dioxolane	646-06-0	2 - 4
Methyl Phenyl Ether	100-66-3	1 - 3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3. HAZARDS IDENTIFICATION

Overview Material is corrosive and will burn eyes. Can cause skin defatting and irritation with prolonged exposure. Inhalation may cause headache, nausea, dizziness. Prolonged exposure may lead to dermatitis. Ingestion may lead to vomiting. Severe overexposures may lead to coma and possible death due to respiratory failure.

Inhalation May be harmful if inhaled. Irritating to respiratory system. Can irritate eyes, nose, mouth and throat. Inhalation of product may cause headache, nausea, and dizziness.

Skin Contact Corrosive to the skin. Causes burns. Harmful in contact with skin.

Skin Absorption	None noted.
Eye Contact	Product contact to the eye may cause irritation, redness and pain. Product residues on fingers, hands or gloves may contact the eyes and cause eye irritation, redness and pain.
Ingestion	Ingestion of this product causes irritation of the mouth and throat. Ingestion may lead to vomiting and abdominal pain.
Other	None noted.

4. FIRST-AID MEASURES

General	If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a **POISON CONTROL CENTER, EMERGENCY ROOM, OR PHYSICIAN** immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.
Inhalation	Remove to fresh air and restore breathing if necessary. Seek medical attention.
Skin Contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.
Eye Contact	Immediately flush eyes with water for 15 minutes while holding eyelids open for maximum irrigation. Seek medical attention.
Ingestion	Seek immediate medical attention. DO NOT induce vomiting unless directed by medical personnel.
Physicians Note:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Flash Point LE 2%	Flash Point UEL15%	Auto Ignition:Not determined	Boiling Point Not determined

Unusual Fire or Exposion Hazards	Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Decomposition products may include the following materials: • carbon oxides • sulfur oxides • metal oxide/oxides
Sensitivity to Mechanical Impact	Not expected to be sensitive to mechanical impact.
Rate of Burning	Not determined.
Explosive Power	Not determined.
Sensitivity to Static Charge	Not applicable.
Extinguishing Media	Use an extinguishing agent suitable for the surrounding fire.
Instructions to Fire Fighters	No special instructions.
Fire Fighting Protective Equipmen	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Enviromental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).
Large Spill Handling	• Stop leak without risking safety. • Move containers from spill area. • Approach release from upwind. • Prevent entry into sewers, water ways, basements, or confined areas.

- Wash spillages into an effluent treatment plant. If effluent treatment plant is not available then contain and collect spillage with non-combustible, absorbent material (i.e. 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.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Small Spill Handling — Stop leak if without risking personal or enivormental well being. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling — Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not breathe vapor or mist. Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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 (see Section 10) and food and drink. 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

Benzyl alcohol

ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING	NIOSH TWA	NIOSH STEL	NIOSH CEILING
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

Hydrogen Peroxide

ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING	NIOSH TWA	NIOSH STEL	NIOSH CEILING
			1 ppm 1.4 mg/m3	Not Established	Not Established			

Solvent Naphtha, Heavy Aromatic

ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING	NIOSH TWA	NIOSH STEL	NIOSH CEILING
10 ppm	15 ppm	Not Established	50 mg/m3	10 ppm	Not Established	Not Established	Not Established	Not Established

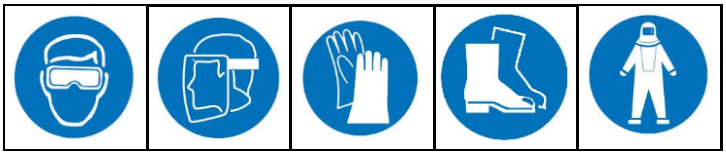
1,3 Dioxolane

ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING	NIOSH TWA	NIOSH STEL	NIOSH CEILING

Methyl Phenyl Ether

ACGIH TWA	ACGIH STEL	ACGIH CEILING	OSHA TWA	OSHA STEL	OSHA CEILING	NIOSH TWA	NIOSH STEL	NIOSH CEILING
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

Personal Protective Equipment (PPE)



General PPE	Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.
Respiratory	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator
Hands	Any specific glove information provided is based on published literature and glove manufacturer data. Work conditions can greatly affect glove durability; inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: NEOPRENE and NITRILE If prolonged or repeated contact is likely, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.
Eyes	Chemical splash goggles or face shield should be used. Safety Glasses do not offer enough protection from spray and splashing product.
Skin and Body	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.
Hygiene	Wash hands, forearms, and face thoroughly after handling chemical products prior to eating, smoking, using the lavatory, and at the end of the working periods. Appropriate procedures 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

Physical State: Liquid		Density: 8.494 lbs/gal
Appearance: Milky Emulsion		pH: 8.0
Color: Yellow		Viscosity:
Odor:		Solubility in Water: < 60%
Boiling Point: Not determined	Flash Point LEL: 2%	Vapor Density: Not determined
Freezing Point: Not determined	Flash Point UEL: 15%	Vapor Pressure: Not determined
Melting Point: Not determined	Auto Ignition: Not determined	Evaporation Rate: < 1
		VOC: 359 g/L

10. STABILITY AND REACTIVITY

Stability	In adverse conditions; Violent reaction may occur.
Conditions to Avoid	Incompatible materials, light, excess heat.
Materials to Avoid	Heat, reducing agents, rust, heavy metals, organic materials, alkalis, contamination of any kind.
Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Benzyl alcohol

Test Method	Dosage/Concentration
LD50 (oral, rat)	1620 mg/kg

Hydrogen Peroxide

Test Method	Dosage/Concentration
LD50 (oral rat)	> 225 mg/kg

Solvent Naphtha, Heavy Aromatic

Test Method	Dosage/Concentration
LC50 (inhalation, rat)	> 0.59 mg/l (exposure time 4hrs)
LD50 (dermal, rabbit)	> 3160 mg/kg

LD50 (oral rat)	> 5000 mg/kg

12. ECOLOGICAL INFORMATION

Benzyl alcohol

Results	Species	Exposure
LC50, 460 mg/L	Fish	96 hours

Hydrogen Peroxide

Results	Species	Exposure
LC50, 2.4 mg/L	Daphnia pulex	48 hours
LC50, 16.4 mg/L	Fathead minnow	96 hours
LC50, 37.4 mg/L	Channel catfish	96 hours

Solvent Naphtha, Heavy Aromatic

Results	Species	Exposure
LC50 fish 2	Oncorhynchus mykiss	2.34 mg/l (96 hrs)
EC 50 Daphnia	Daphnia magna	0.95 mg/l (48 hrs)
LC50 fish 1	Pimephales promelas	19 mg/l (96 hrs)

13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump in sewers, any body of water, or on the ground unless it complies with local, state, and federal laws and regulation.

Empty containers retain product residue and can be dangerous. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. Do not dispose of package until thoroughly washed and rinsed out.

14. TRANSPORT INFORMATION

In accordance with ICAO/IATA/DOT/TDG

UN Number:

UN Proper Shipping Name NOT REGULATED, CLEANING COMPOUND NOI LIQUID

UN Class:

Package Group (DOT)

15. REGULATORY INFORMATION

All regulatory information is stated as provided by MSDS from manufacturer/distributor.

Hydrogen Peroxide

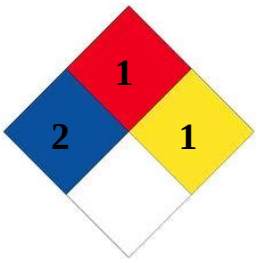
SECTION 311 HAZARD CATEGORIES (40 CFR 370):
Fire Hazard, Immediate (Acute) Health Hazard

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370):
The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs.: None, (conc. <52%) (hydrogen peroxide, 1000 lbs. when conc is >52%

CERCLA DESIGNATION & REPORTABLE QUANTITIES (RQ) (40 CFR 302.4):
Unlisted (Hydrogen Peroxide); RQ = 100 lbs.; Ignitability, Corrosivity

TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA INVENTORY STATUS (40 CFR 710):
Listed

16. OTHER INFORMATION



This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.