Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: PS-2010 MSDS Revision: 0002

Description Alkaline based Epoxy/Polyurethane And Sealant Re Revision Date: 7/7/2014

Product Number: 0003153

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!

Hazard Statements

H302 Harmful if swallowed

H313 May be harmful in contact with skin

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.

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

Description	CAS Number	Concentration
Ammonium Hydroxide	1336-21-6	5 - 9
Methyl Phenyl Ether	100-66-3	3 - 5
Solvent Naphtha, Light Aromatic	64742-95-6	3 - 5
Ethanolamine	141-43-5	3 - 5
Surfactant Blend	Proprietary	0 - 2

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 Inhalation of product may cause headache, nausea, and dizziness.

Skin Contact Can cause skin defatting and irritation with prolonged exposure.

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 og 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 Not determine	Flash Point UELNot determined	Auto Ignition:Not determined	Boiling Point Not determined

Unusual Fire or Exposion Hazards	Decomposition products may include the following materials: Nitrogen 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

Ammonium Hydroxide

ACGIH			OSHA			NIOSH		
TWA	STEL	CEILING	TWA	STEL	CEILING	TWA	STEL	CEILING
25 ppm	35 ppm			50 ppm				

Methyl Phenyl Ether

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

Solvent Naphtha, Light Aromatic

ACGIH			OSHA			NIOSH		
TWA	STEL	CEILING	TWA	STEL	CEILING	TWA	STEL	CEILING
25 ppm								

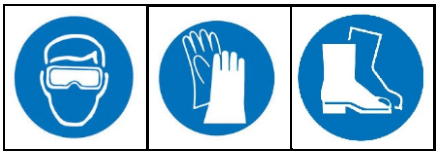
Ethanolamine

ACGIH			OSHA			NIOSH		
TWA	STEL	CEILING	TWA	STEL	CEILING	TWA	STEL	CEILING
3.0 ppm	6.0 ppm		3.0 ppm 8 mg/m3	6.0 ppm 15 mg/m3		3.0 ppm 8 mg/m3	6.0 ppm 15 mg/m3	

Surfactant Blend

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

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: 8.505 lbs/gal
Appearance: Thick Emulsion		pH: 10.7
Color: Blue		Viscosity: 3000-4500 cps
Odor: Slight Ammonia		Solubility in Water: < 40%
Boiling Point: Not determined	Flash Point LEL: Not determined	Vapor Density: 2
Freezing Point: -10F (-23.3C)	Flash Point UEL: Not determined	Vapor Pressure: 10 mmHg @ 24C
Melting Point:	Auto Ignition: Not determined	Evaporation Rate: Not determined

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	
Materials to Avoid	Oxidizers and Reactive Metals
Decomposition	None known
Polymerization	None known

11. TOXICOLOGICAL INFORMATION

Ammonium Hydroxide

Test Method	Dosage/Concentration
LD50 (oral, rat)	350 mg/kg

Ethanolamine

Test Method	Dosage/Concentration
LD50 (dermal, rabbit)	1,015 mg/kg
LD50 (oral, rat)	1,720 mg/kg

12. ECOLOGICAL INFORMATION

Ammonium Hydroxide

Results	Species	Exposure
LC50, 0.66 mg/l	Water flea (Daphnia magna)	48 hours
LC50, 15 mg/l	Western mosquitofish (Gambusia affinis)	96 hours

Ethanolamine

Results	Species	Exposure
EC50, 15 mg/l	Desmodesmus subspicatus (green algae)	72 hours
EC50, 65 mg/l	Daphnia magna (Water flea)	48 hours

LC50, 227 mg/l	Pimephales promelas (fathead minnow)	96 hours

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.

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 out.

14. TRANSPORT INFORMATION

In accordance with ICAO/IATA/DOT/TDG

UN Number:

UN Proper Shipping Name COMPOUND CLEANING LIQUID, NOT REGULATED

UN Class:

Package Group (DOT)

15. REGULATORY INFORMATION

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

Ammonium Hydroxide

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration
AMMONIUM HYDROXIDE (CAS 1336-21-6) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
AMMONIUM HYDROXIDE (CAS 1336-21-6) Listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - Yes

Section 311 hazardous chemical: Yes

Ethanolamine

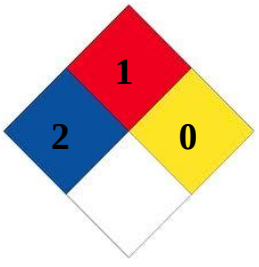
SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Solvent Naphtha, Light Aromatic

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: Fire. Immediate Health.

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.