



Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: AC-3010

MSDS Revision: 0001

Description: Gel-type Cleaner and Degreaser

Revision Date: 7/12/2014

Product Number: 0003249

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

H303 May be harmful if swallowed

Precautionary Statements

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
Urea	57-13-6	1 - 3
d-Limonene	5989-27-5	0 - 2
Sodium Metasilicate Pentahydrate	10213-79-3	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 Adverse symptoms may include the following:
irritation
redness
dryness
cracking

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	Not determine	Flash Point UEL	Not determined	Auto Ignition:	Not determined	Boiling Point	Not determined
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Unusual Fire or Exponion Hazards	Decomposition products may include the following materials: <ul style="list-style-type: none"> • carbon oxides • 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 determined.
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	<ul style="list-style-type: none"> • 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. <p>Note: see Section 1 for emergency contact information and Section 13 for waste disposal.</p>

Small Spill Handling Stop leak if without risking personal or environmental 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

Urea								
TWA	ACGIH STEL	CEILING	TWA	OSHA STEL	CEILING	TWA	NIOSH STEL	CEILING
d-Limonene								
TWA	ACGIH STEL	CEILING	TWA	OSHA STEL	CEILING	TWA	NIOSH STEL	CEILING
Not Established	Not Established		Not Established	Not Established		Not Established	Not Established	
Sodium Metasilicate Pentahydrate								
TWA	ACGIH STEL	CEILING	TWA	OSHA STEL	CEILING	TWA	NIOSH STEL	CEILING
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: 8.64 lbs/gal
Appearance: Hazy, Opaque		pH: 11.5
Color: Orange		Viscosity: 1000-1500 cps
Odor: Orange		Solubility in Water: Completely
Boiling Point: Not determined	Flash Point LEL: Not determined	Vapor Density: Not determined
Freezing Point: Not determined	Flash Point UEL: Not determined	Vapor Pressure: Not determined
Melting Point: Not determined	Auto Ignition: Not determined	Evaporation Rate: Not determined

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	None known
Materials to Avoid	None known
Decomposition	None known
Polymerization	None known

11. TOXICOLOGICAL INFORMATION

d-Limonene

Test Method	Dosage/Concentration
LD50 (dermal, rabbit)	>5g/kg
LD50 (oral, rabbit)	>5g/kg

Urea

Test Method	Dosage/Concentration
LD50 (oral, rat)	8471 mg/kg

12. ECOLOGICAL INFORMATION

Urea

Results	Species	Exposure
LC50, 17500 mg/l	Poecilia reticulata (guppy)	96 hours
EC50, 3910 mg/L Fresh water	Daphnia magna - Water flea	48 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 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.

Sodium Metasilicate Pentahydrate

SARA Hazard Categories: Acute, Chronic

Dipropylene glycol monomethyl ether

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

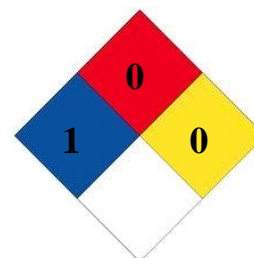
Immediate (Acute) Health Hazard Yes

Fire Hazard Yes

US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

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.