ORISON

The Green Edge

Material Safety Data Sheet

Aluminator – Aluminum Oxide Remover

Product Hazard: Health: 2 Fire: 0 Toxicity: 0 Reactivity: 1 Special: 0
Hazard Rating: 4 = Deadly 3 = Extreme 2 = Hazardous 1= Slight Hazard 0 = Normal

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING 01/10/08

Product Name: **Aluminator – Aluminum Oxide Remover**
Manufacturer/Supplier: **Orison Marketing, L.L.C. (Cage Code: 1GZV7)**
4801 South Danville Drive
Abilene, TX 79602
Emergency Telephone Number: **(325) 692-1135 or 800-460-2403 (in the U.S.)**

2. INGREDIENTS

Chemical Name:	CAS#	OSHA PEL	TLV	WT%
Phosphoric Acid	7664-38-2	1mg/m3	1mg/m3	<5

***These chemicals are subject to reporting requirements off section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.**

3. HAZARDS IDENTIFICATION

Carcinogen: NA **NTP: NA** **IARC Monograph: NA** **OSHA: NA**

Primary Routes of Entry: Eye – Yes Ingestion – Yes Inhalation – Yes Skin - Yes
Effects of overexposure: Eye – eye irritant, will burn eyes
Ingestion – nausea
Inhalation – Prolonged exposure to fumes can burn mucous membranes
Skin – mild burning of skin

Most Important Hazards: None

Specific Hazards: Corrosive inhalation toxic – mild burning of skin, will burn eyes and mucous membranes. No chronic effects expected with use of this product.

4. FIRST AID MEASURES

General Advice: Practice good hygiene and use in well ventilated area.
Inhalation: Remove to fresh air. If symptoms persist, consult physician.
Skin Contact: Neutralize with mild soap and water on skin areas.
Eye Contact: Rinse thoroughly with plenty of water. If symptoms persist, consult physician.
Ingestion: If swallowed give victim two glasses of water or milk and DO NOT INDUCE VOMITING. Get immediate attention if breathing has stopped. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water, Dry chemical, CO2
Special Fire Fighting Procedures: Wear SCBA & all protective equipment
Specific Hazards: Corrosive
Flash Point: None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See section 8. Caution floor may be slippery.
Environmental Precautions: Corrosive.
Methods for Cleaning Up: Neutralize with soda ash and dispose of according to local, state or federal regulations..

7. HANDLING AND STORAGE

Corrosivity: Corrosive.
Technical Measures/Precautions: Normal ventilation is adequate.
Safe Handling Advice: Avoid contact with eyes and skin.

Technical Measures/Storage Conditions: Low temperature can cause handling problems. Viscosity of material will increase.
Incompatible Products: Avoid storing near oxidizers, bleach, or strong acids
Packaging Material: Store in tightly sealed containers in a cool, dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: General room ventilation is satisfactory.
Control Parameters: None needed.
Personal Protection Equipment
Respiratory: None required.
Eye: Safety glasses, face shield, or goggles
Hand: Plastic or rubber gloves, plastic or rubber apron
Hygiene Measures: Employ good hygiene measures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Water viscous liquid
Color: Clear light purple
Odor: Characteristic odor
pH: 3 - 4
Boiling Point/Range: 212° F
Volatile Organic Compounds: None measurable
Freezing Point: 32°F/0°C
Viscosity @ 25°C: same as water
Flash Point: None to boiling
Explosive Properties: None
Evaporation Rate: >1 ether=1 (same as water)
Water Solubility: Complete
Vapor Pressure: Not determined
Vapor Density: NA air =1
Evaporation Rate: >1 ether=1 (same as water)
Specific Gravity: 1.018

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None known
Materials to Avoid: Avoid contact with strong oxidizing agents and high alkalines. Reaction of the material with active metals like aluminum, zinc, iron, etc. can liberate hydrogen.
Hazardous Decomposition Products: Phosphorus oxides
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: None known
Local Effects: None known.
Specific Effects: None known.

12. ECOLOGICAL INFORMATION

No information found.

13. DISPOSAL CONSIDERATIONS

Neutralize with soda ash and dispose of according to local, state or federal regulations. Treat material as waste from material cleaned in product.
Contaminated Packaging: If recycling is not practicable, dispose of in compliance with the Environmental Protection (Duty of Care) Regulations 1991 if contaminated with hazardous materials.

14. TRANSPORTATION INFORMATION

DOT: No special requirement or permission needed for shipping by ground transportation as per 49 CFR 173.154

15. REGULATORY INFORMATION

Chemical Name:	CAS#	OSHA PEL	TLV	WT%
Phosphoric Acid	**7664-38-2**	**1mg/m3**	**1mg/m3**	**<5**

16. OTHER INFORMATION

For further information, contact the Headquarters of Orison Marketing, L.L.C.
Recommended Use: Aluminum Oxide Remover