

MSDS Information

Section 1 CHEMICAL PRODUCT SECTION

Product Name: STATICIDE® Clean Room
 Product Number: # 5001 & 5002

Manufacturer: ACL Incorporated
 1960 E. Devon Avenue
 Elk Grove Village, IL 60007
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For Chemical Emergency,
 Spill, Leak, Fire Exposure,
 Or Accident Call INFOTRAC
 DAY OR NIGHT (01) 800.535.5053

Section 2 INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %
Isopropyl alcohol	67-63-0	46 – 49
Deionized water	7732-18-5	47 – 51
Lactic acid	50-21-5	<.05 – 1.0
Mackline 301Octadecanamide, N-[3-(dimethylamino)propyl]	7651-02-7	<.05 – 1.0

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	Exposure Limits 8 Hours TWA (PPM)
Isopropanol	400 ppm
	OSHA PEL ACGIH TLV
	400 ppm 400 ppm

Section 3 HAZARD IDENTIFICATION

Emergency Overview: DANGER! Flammable liquid and vapor. Contains material which may cause damage to the following organs: respiratory tract, skin, eyes, and central nervous system. May cause sensitization by inhalation and skin contact.

Potential Health Effects:

Inhalation: Maybe harmful if swallowed. Avoid breathing vapor or mist. Use only with adequate ventilation.

Eyes: Will Burn, irritate or harm if direct contact is made.

Skin: May burn, irritate or dry skin if direct contact is made. May cause allergic skin reaction.

Ingestion: May be harmful or fatal if swallowed.

Section 4 FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Oxygen may be administered if breathing is difficult. Seek medical attention.

Eye Contact: Check for and remove any contact lenses. Flush eyes with large amounts of water for 15 minutes. Cold water may be used. Get medical attention.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing and shoes before reuse. Seek immediate medical attention.

Ingestion: DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5 FIRE FIGHTING MEASURES

Flash Point & Method: 20° C (68 °F) CC, Pinsky-Martens

Flammable Limits: LEL: 2% UEL: 12% (Isopropyl alcohol)

Autoignition Temperature: The lowest known value is 450° C (842° F) (Isopropyl alcohol)

General Hazard: Flammable in presence of open flames, sparks and static discharge. Vapor may cause flash fire. No sparking tools should be used. Take precautionary measures against static discharges.

Fire Fighting Instructions:

Small Fire: Use dry chemical powder

Large Fire: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Fire Fighting Equipment: Use an approved/certified respirator or equivalent.

Hazardous Combustion Products: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...)

Section 6 ACCIDENTAL RELEASE MEASURES

Small Spill or Leak: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill or Leak: Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

Section 7 HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Harmful if swallowed. When handling, wear eye protection and rubber gloves. KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling. Launder contaminated clothing/equipment before reuse.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area (between 18°C - 28°C / 64°F - 82°F) out of direct sunlight and away from incompatible materials (See STABILITY AND REACTIVITY Section 10). Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Follow all MSD sheet and Label warnings even after container is emptied.

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. See section 2 for component exposure guidelines. Local Exhaust ventilation acceptable

Personal Protection:

Respirator: Vapor respirator. Be sure to use an approved / certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hand Protection: Gloves Recommended: Solvex, Neoprene, Butyl, Buna or Natural Latex are acceptable

Eye Protection: Ensure that eyewash stations are proximal to the work-station location. Splash Goggles are recommended.

Other Recommendations: Ensure the safety showers are proximal to the work-station location. Wear lab coat.

In Case of Large Spill: Splash goggles, full suit, vapor respirator, boots, gloves and a self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

pH.....< 6	% Solids.....< 1
Solubility in Water.....Miscible	Physical State.....Liquid
Odor.....Medicinal alcohol-like	Appearance:Clear

Section 10 STABILITY AND REACTIVITY

General: Stable
 Incompatible Materials and Conditions to Avoid: All possible sources of ignition and strong oxidizing agents
 Hazardous Decomposition: Carbon dioxide, Carbon monoxide, Formaldehyde oxides of carbon and various unidentified organic compounds.
 Hazardous Polymerization: Will not occur

Section 11 TOXICOLOGY INFORMATION

Results of Component Toxicity Test Performed:
 LD₅₀ Rabbit (dermal) 12,800 mg/kg (Isopropanol)
 LD₅₀ Rat (inhalation) 16,000 ppm : 8 hours (Isopropanol)
 LD₅₀ Rabbit (oral) 6410 mg/kg (Isopropanol)

Human Experience: OSHA / NTP / DHHS - This product does not contain chemicals on the 11th Report on Carcinogens (RoC) NIOSH: None of the chemicals are listed on the NIOSH carcinogen list.

Section 12 ECOLOGICAL INFORMATION

LC₅₀ Fish (96 hours) >100 mg/l (Isopropanol)
 Products of Degradation: Carbon oxide (CO, CO₂) and water, nitrogen oxides (NO, NO₂...)

Section 13 DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 Classifications: Code D001 Ignitable Waste
 Federal, State, and Local laws governing disposal of material can differ.
 Ensure proper disposal compliance with proper authorities before disposal.

Section 14 TRANSPORTATION INFORMATION

U.S. DOT Information:	Basic Description: HAZARDOUS MATERIAL
	Proper Shipping Name: Isopropanol
	Hazard Class: 3
	Packaging Group: II
	UN Number: UN1219
	Limitations: NA

- Highly Flammable (R11)
- Keep out of the reach of children (S2)
- Keep lid tightly closed (S7)
- Keep away from sources of ignition- No Smoking (S16)
- When using do not smoke (S21)
- Avoid contact with eyes (S25)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)

NFPA HAZARD RATING:

(3) Fire (1) Health (0) Reactivity

REVISION DATES, SECTIONS, REVISED BY:

01-MAR-92 Original release date

17-Aug-07 Revised section 11, mkb

ABBREVIATIONS USED IN THIS DOCUMENT:

NE – Not Established, NA – Not Applicable, NIF – No Information Found

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)

The Sigma-Aldrich Library of Regulatory and Safety Data

Chemical Guide and OSHA Hazardous Communication Standard

The Environmental Protection Agency (www.epa.gov)

American National Standards Institute

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.