

Apple Environmental

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SAFETY DATA SHEET

SECTION 1 --- PRODUCT / COMPANY IDENTIFICATION---

Product number: 1501
Product name: Apple Environmental Meth Remover Part 1
Manufactured and Distributed by Apple Environmental

SECTION 2 ----HAZARD IDENTIFICATION----



Physical State: Liquid
Color: Colorless
Odor: Amine like

Emergency Overview Warning! Toxic to aquatic organisms. May cause eye and skin irritation. May be harmful to environment if released in large amounts. Avoid contact with skin and clothing. Keep container closed and use with adequate ventilation. Avoid exposure during pregnancy. Wash thoroughly after handling. Avoid contact of spilled material and runoff with soil and surface waterways.

Routes of Entry: Absorbed through skin. Dermal contact, eye contact. See Toxicological Information (Section 11)

SECTION 3 ---- COMPOSITION / INFORMATION ON INGREDIENTS----

<u>Components</u>	<u>CAS #</u>	<u>Percent</u>
Quaternary ammonium compounds, trimethyl tallow alkyl, chlorides	8030-78-2	2%
Isopropanol	67-63-0	1%
Water based buffer	7732-18-5 (water)	97%

SECTION 4 ----FIRST AID MEASURES----

Eye Contact: Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Medical conditions Aggravated By Overexposure: Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

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SECTION 5 -----FIRE FIGHTING MEASURES -----

Extinguishing Media	Same as surrounding material
Flash Point:	Not flammable
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	None

SECTION 6 -----ACCIDENTAL RELEASE MEASURES-----

Spill:	Contain spill. Use absorbents. Flush with large amounts of water.
Disposal:	Dispose of material in accordance with all local, state and federal regulations.

SECTION 7 ----- HANDLING AND STORAGE-----

Keep container closed while not in use and use only with adequate ventilation. Store container in a cool, segregated, approved and well ventilated area.

SECTION 8 -----EXPOSURE CONTROL / PERSONAL PROTECTION-----

Eye Protection:	Wear Safety Glasses or goggles to prevent eye contact
Local Exhaust:	Normal dilution ventilation can be used
Protective Gloves:	Wear chemical resistant gloves when handling

SECTION 9 -----PHYSICAL AND CHEMICAL PROPERTIES-----

Physical State: Liquid
 Color: Clear, colorless
 Odor: Amine like
 pH: 10.5
 Boiling Point: 212°F
 Freezing Point: 28°F
 Vapor Pressure: Undetermined
 Vapor Density: Undetermined
 Evaporation rate: 1 (water = 1)
 Specific Gravity: 1.1
 Solubility in Water: Miscible (100% Soluble)

SECTION 10 -----STABILITY AND REACTIVITY -----

Stability:	Stable
Incompatibilities and Reactivity:	Reacts with strong acids to produce moderate heat
Hazardous decomposition products:	Possible oxides of carbon and nitrogen and chloride salts.

SECTION 11 -----TOXICOLOGICAL INFORMATION-----

<u>Ingredient Name of Product Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Quaternary ammonium compounds	LD50	1260 mg/kg	Oral	Rat based on data for (similar materials)
	LD50	>2000mg/kg	Dermal	Rabbit based on data for (similar materials)
Isopropanol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	Human
	LDLo	5272 mg/kg	Oral	Man
	LC50	16970 ppm (4 hours)	Inhalation	Rat
Amines, dimethyltallow alkyl	LD50	1230 mg/kg	Oral	Rat based on data for (similar materials)
	LD50	8000 mg/kg	Dermal	Rabbit based on data for (similar materials)

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Chronic Effects on Humans Carcinogenic Effects: Classified none. By NIOSH (Isopropanol). Classified A4 (Not classifiable for Human or animal.) by ACGIH,3(Not classifiable for human.) by IARC [Isopropanol].
 Mutagenic Effects: Non-mutagenic for bacteria and/or yeast. [Quaternary ammonium compounds, trimethyl tallow alkyl, chlorides]. Non-mutagenic for bacteria and/or yeast. [Isopropanol]. Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
 Contains material which may cause damage to the following organs: gastrointestinal tract.
 Moderately irritating to the skin.

Special Remarks on Chronic Effects on Humans: Quaternary ammonium compounds, trimethyl tallow alkyl, chlorides: Mutagenic Effects based on data for (similar materials).

Acute Effects Skin Corrosive to the skin. Practically non-toxic in contact with skin

Acute Effects Eyes Corrosive to the eyes.

SECTION 12 -----ECOLOGICAL INFORMATION-----

Ecotoxicity

<u>Ingredient Name or Product Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Quaternary ammonium compounds	Trout Based on data for (similar material) (LC50)	96 hour(s)	0.3 mg/l
Trimethyl tallow alkyl, chloridess	Pimephales promelas (EC50)	48 hour(s)	10000 mg/l
Isopropanol	Lepomis macrochirus (LC50)	96 hour(s)	>1400mg/l
	Pimephales promelas (LC50)	96 hour(s)	>6550mg/l
	Pimephales promelas (LC50)	96 hour(s)	>9640mg/l
	Pimephales promelas (LC50)	96 hour(s)	>10400mg/l
	Pimephales promelas (LC50)	96 hour(s)	>11130mg/l
Amines, dimethyltallow alkyl	daphnia based on data for: (similar material) (EC50)	48 hours(s)	0.35 mg/l
	Bluegill, based on data for: (similar material) (LC50)	96 hours(s)	2.1 mg/l
	Shrimp based on data for: (similar material) (LC50)	96 hours(s)	0.074 mg/l

Biodegradability and Ecotoxicity Remarks quaternary ammonium compounds, trimethyl tallow alkyl, chlorides: 48% @ 28 days(s)
 CBT based on data for: (similar material); 51% @ 57 day(s) CBT based on data for (similar material)

Products of Degradation These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO,NO₂...), halogenated compounds.

SECTION 13 -----DISPOSAL CONSIDERATIONS-----

Waste Information: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
 RCRA Classification: Non hazardous
 Container Disposal: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying.
 Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

SECTION 14 -----TRANSPORTATION INFORMATION-----

DOT non hazardous. No specified shipping or handling requirements under 49 CFR Section 172.

SECTION 15 -----REGULATORY INFORMATION-----

U.S. Federal Regulations

TSCA: All intentionally present components are listed on the TSCA inventory.

DSL: All intentionally present components are listed on the DSL

TSCA 5(a)2 final significant rules: No products were found.

Cercla: Hazardous substances: No products were found.

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SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

Fire Hazard

SARA 313 Form R Reporting Requirements: No products were found.

SARA 313 Supplier Notification: No products were found.

SECTION 16 -----OTHER INFORMATION-----

Hazardous Material Information System (U.S.A.):

Health 1

Fire Hazard 0

Physical Hazards 0

Personal Protection (PPE)

National Fire Protection Association (U.S.A.):

Health 1

Flammability 0

Reactivity 0

Specific Hazard

Degree of Hazard Code:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

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Validated by Product Safety Specialist

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Phone Number _____

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