

**IDENTITY: AMBISOLVE 158**

**SECTION I - Manufacturer**

Manufactured by:  
Ambion Corporation

Emergency Telephone Number: (203) 723-1437 or  
if no answer, P-ChEM 1-800-424-5571 (24 hr's.)

Address:  
37 Naugatuck Drive, Naugatuck, CT 06770

Date Prepared: 14 November 2008

**SECTION II - Hazardous Ingredients/Identity Information**

Chemical Identity	C.A.S. No.	Weight Percent
Isopropanol	67-63-0	63
Propylene glycol monomethyl ether	107-98-2	37

N.F.P.A. Hazard Rating: Health: 1, Fire: 3, Reactivity: 0, Specific: N/A

Dept. of Transportation Information:

Shipping Name: Paint Related Material

Hazardous Classification: 3, NA1263, PG II

DOT Emergency Response Guide No.: 127

**SECTION III - Physical/Chemical Characteristics**

Boiling Point	180-250°F (82-121°C)	Specific Gravity (Water = 1)	0.85
Melting Point	N/A	Vapor Pressure (mm Hg, 20C)	24
Evaporation Rate (n-butyl acetate = 1)	1.1	Vapor Density (Air = 1)	2.4
Solubility in Water (25C)	miscible	Volatile, %	100
Appearance and Odor: Clear, water-white watery liquid, sweetish alcoholic odor			

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used): 54°F (12°C) (TCC)

Flammable Limits: Lower: approximately 1.9 Upper: approximately 13

Extinguishing Media: Water fog, Dry chemical, CO2 or Foam. Use water to cool containers exposed to fire.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved, self-contained breathing apparatus and protective clothing. Containers involved in fires should be cooled with large quantities of water to prevent rupturing.

Unusual Fire and Explosion Hazards: None Known.

Hazardous Polymerization: Will NOT occur.

**Section V - Reactivity Data**

Stability: Stable Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Oxidizing agents, strong acids and alkalis.

Hazardous Decomposition or Byproducts: Oxides of carbon.

continued on page 2

---

## AMBISOLVE 158

---

### Section VI - Health Hazard Data

---

Route(s) of Entry:                      Inhalation: Possible                      Skin: Possible                      Ingestion: Unlikely

Possible Health Hazards (Acute and Chronic):

Acute:

Inhalation: Exposure to high concentrations may result in CNS depression, irritation of the nose and throat and irregular heart beat.

Skin Contact: Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

Ingestion: Irritating to the GI tract. May cause pain and vomiting, possibly bloody. May cause CNS depression, low blood pressure, rapid heart beat and liver damage.

Eye contact: Liquid is moderately irritating to the eyes. High vapor concentrations may be irritating.

Chronic: Repeated excessive exposures may cause lung, liver, kidney and brain damage. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects. Chromosome effects are possible. May be a developmental toxicant in pregnant women. Exposures having no adverse effect on the mother should have no effect on the fetus. None of the ingredients in this product are listed as carcinogenic.

#### First Aid:

Eyes: Irrigate immediately with plenty of water for at least 15 minutes. Move victim to fresh air for irritation caused by mists or vapors. Get immediate medical attention.

Skin: Wash off in flowing water or shower while removing contaminated clothing. If irritation persists, get medical attention.

Inhalation: Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

Ingestion: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than two glasses of water and induce vomiting by giving two tablespoons (30cc) syrup of ipecac. If ipecac is unavailable, give two glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. Get immediate medical attention.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product. Preexisting liver ailments such as asymptomatic chronic active hepatitis C could be made worse, perhaps fatally so, by exposure to this product.

Other Health effects: Intentional abuse, misuse or other massive exposure may cause multiple organ damage and/or death.

---

### Section VII - Precautions for Safe Handling and Use

---

Steps to Be Taken in Case Material is Released or Spilled: Take steps to prevent eye or skin contact. Stay up wind. Do not breathe vapors. Ventilate area. Remove ignition sources. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, mop up or use absorbent. Avoid run off into storm sewers and courses leading outside. All clean up and disposal should be carried out in accordance with federal, state and local regulations.

Waste Disposal Method: This product is a hazardous material and should be disposed by a federally approved hazardous waste disposal facility. Incineration is the preferred means.

Precautions to Be Taken in Handling or Storing: Handle with reasonable care. Avoid breathing sprays or mists. Avoid skin and eye contact. Keep containers tightly closed. Store in cool dry explosion-proof area.

Other Precautions: None

---

continued on page 3

---

## AMBISOLVE 158

---

### Section VIII - Control Measures

---

#### Exposure Guidelines:

Ingredient: Isopropanol  
Other Names: IPA, Isopropyl Alcohol, 2-Propanol  
OSHA PEL/TWA: 400 ppm, PEL/STEL: N/A  
ACGIH TLV/TWA: 400 ppm, TLV/STEL: 500 ppm

Ingredient: Propylene glycol monomethyl ether  
Other Names: Methyl Propasol, PM Solvent  
OSHA PEL/TWA: none, PEL/STEL: none  
ACGIH TLV/TWA: 100 ppm, TLV/STEL: 150

**Ventilation:** Control airborne concentrations below the exposure guideline. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. If material is to be sprayed, be sure to provide proper ventilation.

**Respiratory Protection:** Atmospheric levels should be maintained at reasonable levels. In confined spaces or when using spray application in poorly ventilated areas, respiratory protection should be used. When respiratory protection is required for certain operations, use an approved air-purifying respirator. For emergency and other conditions where exposure may be very high, use an approved positive pressure self-contained breathing apparatus.

**Skin Protection:** Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full body suit will depend on the operation.

**Eye Protection:** Use chemical worker's goggles.

**Other Protective Clothing and Equipment:** A source of clean water should be available in the work area for flushing eyes and skin.

**Work/Hygienic Practices:** Keep containers covered. Avoid breathing vapors, mists and sprays. Avoid skin contact.

---

### Section IX - Additional Information

---

#### Regulatory Information:

##### SARA 313 Information:

This product contains the following substances subject to the reporting requirements of Section 302 of Title III (Extreme Health Hazard):

None

This product contains the following substances subject to the reporting requirements of Section 313 of Title III (Toxic Chemical):

Isopropanol	Immediate health, fire hazard
Propylene glycol monomethyl ether	Immediate health, fire hazard

Based on this information, the product should be classified according to Section 313 as an immediate health hazard and a fire hazard.

---

end