

# MATERIAL SAFETY DATA SHEET

## Cellulose acetate solution

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Date of Issue: 20080310

### COMPANY DETAILS

**Company:** Environmental Monitoring Systems  
**Street Address:** 3864 Leeds Avenue  
**City, State ZIP:** Charleston, South Carolina 29405  
**Telephone Number:** 843-724-5708  
**Fax Number:** 843-724-5702

### IDENTIFICATION SECTION

**Product Name** Cellulose acetate solution  
**Other Names** Nail enamel, ozotic nail polish/lacquer, light reflecting multi-colour nail polish/lacquer.  
**Product Code** C158 ORM  
**U.N. Number** 2059  
**Dangerous Goods Class** 3  
**Subsidiary Risk** None Allocated  
**Hazchem Code** 2YE  
**Packaging Group** III ORM  
**Poison Schedule** None Allocated  
**Use** Painted on to natural or artificial nails.

### Physical Description and Properties

**Appearance** Clear Liquid, .Strong Solvent Odor  
**Boiling Point/Melting Point/Vapor Pressure** 77-338°C (170-640°F)  
**Specific Gravity** 0.950-0.980  
**Flash Point** -4°C (24°F)  
**Flammability Limits** Not Determined  
**Solubility in water** Insoluble

### Ingredients

Chemical Name	CAS Number	Proportion
Toluene	108-88-3	1-5%
Butyl Acetate	123-86-4	20-30%
Ethyl Acetate	141-78-6	40-50%
Isopropyl Alcohol	67-63-0	1-5%
Nitrocellulose	9004-70-0	5-10%
Di Butyl Phthalate	84-74-2	0-1%
Camphor	76-22-2	1-5%
Benzophenone-1	119-61-9	0-1%

**May also contain:** Titanium Dioxide, Guanine, Mica, D&C Red#6 Barium Lake, FD&C Yellow#5 Aluminium Lake, D&C Red#7 Calcium Lake, Ferric Ammonium, Ferrocyanide, Red Iron Oxide, Black Iron Oxide, Bismuth Oxychloride, D&C Red#34 Calcium Lake, Poly Ethylene Teraphthalate, D&C Violet#2, FD&C Blue#1, D&C Yellow#1, D&C Red#33.C.I., Solvent Black 29, Violet 2, Red 122, Red 127, Yellow 88, Yellow 146, Blue 70, Metal-coated Magnesium Fluoride Mixture.

**HEALTH HAZARD INFORMATION**

**Health Effects:**

*Acute* Irritation, burning of eyes and skin, nervous system depression, headache, dizziness, nausea, staggering gait, confusion, unconsciousness.

**Swallowed:** No health effects established.

**Eye:** Prolonged contact with lower concentrations can be moderately irritating to the eyes.

**Skin:** Prolonged contact with lower concentrations may cause dermatitis.

**Inhaled:** Inhalation of high vapor concentrations causes irritation to nose and throat followed by headaches and narcosis.

*Chronic:* Reports have associated repeated and prolonged overexposure to solvent with permanent brain damage.

**First Aid:**

**Swallowed:** Gastrointestinal distress, call a physician immediately.

**Eye:** May cause irritation or burning eyes, flush eyes with plenty of water for at least 15 minutes. Call a physician.

**Skin:** In case of skin contact, wash with soap and water. Repeated or prolonged liquid contact may cause skin irritation with discomfort or dermatitis. If irritation occurs, consult a physician.

**Inhaled:** May cause nose and throat irritation. Remove victim from exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Make patient comfortable and keep warm. If breathing has stopped apply artificial respiration and seek medical advice.

**First Aid Facilities:** Eye bath, safety shower

**Advice to Doctor** Treat symptomatically.

**PRECAUTIONS FOR USE**

**Exposure Standards:** No exposure standard established

**Engineering Controls:** Use only in a well ventilated area

**Personal Protection:** Avoid skin and eye contact. Wear gloves, face shield or goggles. Always wash hands before smoking, eating or drinking.

**Flammability:** Not flammable under conditions of use.

**SAFE HANDLING INFORMATION**

**Storage and Transport:** Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. In case of accident, follow spill or fire-fighting procedures above. In accordance with good industrial practice, avoid unnecessary personal contact. Wash face and hands before eating, drinking or smoking. Store in original container, away from excessive heat and keep in a dry area.

**Spills and Disposal:** Observe label precautions and keep away from heat, sparks and flames. Close container after each use. Do not store over 49°C(120°F). Wash hands thoroughly after handling, before eating. Ventilate area and remove sources of ignition. Prevent skin contact and breathing vapors. Confine and remove with inert absorbent. Dispose in accordance with applicable Federal, State and Local Regulations. Do not incinerate in closed containers.

**Fire/Explosion Hazard:** Full protective equipment, including self contained breathing apparatus is recommended. Water from fog nozzle may be used to cool containers to prevent pressure build up. When heated above the flash point flammable vapors may be emitted. Fine mists or sprays may be flammable at

temperatures below the flash point.

Extinguishing media: Carbon dioxide or dry chemical or foam for fires. Keep adjacent drums cool with water spray. Wash hands thoroughly after eating and drinking.

## OTHER INFORMATION

**Incompatibilities**

**(Materials to avoid)**

**Animal Toxicity Data:**

May react with acids, alkalies and peroxides

None Determined

None Determined

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