

**MATERIAL SAFETY DATA SHEET****SDP ULTIMATE Fountain Solution****SECTION 1: PRODUCT IDENTIFICATION AND USE****Product Name:** SDP ULTIMATE FOUNTAIN SOLUTION**Product Identification Number (PIN):****Formula:** Water base mixture**Manufacturer / Supplier:** Mitsubishi Imaging (MPM), Inc. - 555 Theodore Fremd Avenue - Rye, NY 10580**Emergency Telephone Number:** Chemtrec (800) 424-9300 Outside USA (703) 527-3887**SECTION 2: HAZARDOUS INGREDIENTS**

Principal Component(s)	Cas Reg #	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)	%WT (w/w)
2-Butoxyethanol	111-76-2	25 ppm (skin)	25 ppm (skin)	30-40
Propylene glycol	57-55-6	None	None	5-15
Ammonium nitrate	6484-52-2	Not Estab.	Not Estab.	1-5

**SECTION 3: HAZARDOUS IDENTIFICATION****EMERGENCY OVERVIEW**

Clear purple liquid mixture, with glycol ether mixture odor. Caution! Irritant liquid and vapor with a flash point of 65° C. Contact with liquid may cause severe eye irritation. Overexposure may cause nose, throat and respiratory tract irritation. Inhalation and ingestion may cause blood in the urine, blood abnormalities, kidney damage, liver damage and central nervous system depression characterized by headache, nausea, weakness, drowsiness, fatigue, and unconsciousness. Target organs: kidney, spleen, and lung.

**POTENTIAL HEALTH EFFECTS****Eye Contact:** May cause eye irritation, stinging, tearing, redness and swelling**Skin Contact:** May cause skin irritation. Prolonged or repeated liquid contact can result in defatting, cracking, burning, and drying of the skin which may result in skin irritation and dermatitis. Skin absorption is possible and skin contact may be harmful.**Ingestion:** Single dose oral toxicity is moderate. Swallowing large amounts may cause gastric irritation and abdominal spasms, and acidosis.**Inhalation:** Short term inhalation toxicity is moderate. Exposure may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.**Carcinogenicity:** NTP: N/A IARC Monographs: N/A OSHA Regulated: N/A

None of the chemicals used in this product are listed on NTP, IARC or OSHA listings of human carcinogens.

**Other Health Hazards:** 2-Butoxyethanol in this product has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.**SECTION 4: FIRST AID MEASURES****Eye:** Immediately flush eyes with water. After initial flushing, remove contact lenses and continue flushing for at least an additional 5 minutes. If irritation persists, contact physician.**Skin:** Wash the exposed area thoroughly with flowing water. Remove contaminated clothing. Contact physician if irritation develops or persists.**Ingestion:** Give two glasses of water and induce vomiting. Obtain prompt medical attention.**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get medical attention**SECTION 5: FIRE FIGHTING MEASURES****Flammable Properties:** Flashpoint 65° C (149°F), TCC**Flammable Limit:** LFL: 1.00 UFL: 10.00**Extinguishing Media:** Water, carbon dioxide and dry chemical**Special Fire Fighting Procedures:** Evacuate personnel to a safe area. Firefighters should wear self-contained breathing apparatus and full protective clothing.**Unusual Fire Hazards:** Water spray may be useful in minimizing vapors and in cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

**MATERIAL SAFETY DATA SHEET****SDP ULTIMATE Fountain Solution****SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Steps to be Taken in case Material is Released or Spilled:** Use appropriate protective equipment and clothing. Shut off source of leak if it is safe to do so. Dike and contain. Soak up residue with clay, sand or other suitable absorbent material. Place in non-leaking containers and seal tightly for proper disposal. Flush area with water to remove trace residue. Dispose of flush solution in the same manner as leaked liquid.

**SECTION 7: HANDLING AND STORAGE**

**Precautions to be Taken in Handling and Storing:** Do not get in eyes or on skin or clothing. Do not ingest. Wash thoroughly after handling. Empty containers retain product residue (liquid and vapor), and can be dangerous. Do not cut, weld, pressurize, braze, solder, grind, drill or expose such containers to heat, sparks or open flames. Prevent build up of vapors to explosive concentration. Keep away from sources of ignition. Keep container closed tightly when not in use. Store in cool, dry, well-ventilated place away from incompatible substances. As with all chemicals, keep out of reach of children.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Ventilation:** Local exhaust ventilation may be necessary to keep airborne concentrations below the permissible exposure limits (see section 2).

**Respiratory Protection:** Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (Section 2) use a NOISH-approved respirator to prevent overexposure (29 CFR 1910.134). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

**Eye Protection:** Wear safety glasses or goggles

**Protective Gloves:** Rubber gloves.

**Other Clothing and Protective Equipment:** Impervious clothing should be worn as needed. Wash station for flushing eyes and skin should be available in the work area.

**Work / Hygienic Practices:** Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** Clear purple liquid. Glycol ether mixture odor

**pH:** 4.10

**Boiling Point:** N/D

**Melting Point:** N/D

**Volatile Organic Content:** N/D

**VOC Composite Partial Pressure (mm Hg at 20°C):** <1

**Percent Volatility (as water):** N/D

**Vapor Pressure:** N/D

**Specific Gravity:** 1.028

**Solubility in Water:** Soluble in water

**Viscosity:** 8.7 mPAs

**Vapor Density:** <1

**Evaporation Rate:** N/D

**Photo Chemical Reactivity(SCAQMD Rule 443):** None

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal ambient temperature and pressure

**Conditions to Avoid:** Open flame and excessive heat

**Incompatibility:** Incompatible materials, organic materials or explosives

**Hazardous Decomposition:** Carbon dioxide, carbon monoxide, ammonia, nitrogen oxide, nitrous oxide, nitrogen and other materials

**Hazardous Polymerization:** Has not been reported

**SECTION 11: TOXICOLOGICAL INFORMATION**

Chemical Name	CAS #	LD50 of Ingredients (Specify species and route)	LC50 of Ingredients (Specify species)
2-Butoxyethanol	111-76-2	1480mg/kg oral-rat	450/4 hr rat
Propylene glycol	57-55-6	20g/kg oral-rat	Not Available
Ammonium nitrate	6484-52-2	5300 mg/kg oral-rat	Not Available

**MATERIAL SAFETY DATA SHEET****SDP ULTIMATE Fountain Solution****SECTION 12: ECOLOGICAL INFORMATION**

No data are available on the aquatic toxicity of this mixture.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose in accordance with Federal, State and Local regulations. Refer to the latest EPA or State Regulations regarding proper disposal.

**SECTION 14: TRANSPORTATION INFORMATION**

This product is not a hazardous material for (DOT) shipping

**D.O.T. Shipping Name:** Not Regulated

**IMO Shipping Name:** Not Regulated

**IATA Shipping Name:** Not Regulated

**SECTION 15: REGULATORY INFORMATION****TSCA (USA - Toxic Substance Control Act):**

2-Butoxyethanol

Propylene glycol

Ammonium nitrate

*Above hazardous components of this product are listed on the US Toxic Substance Control Act Chemical Inventory.*

**SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):**

Ammonium nitrate

*Above component(s) subject to the reporting requirements of Section 313 of Title III of the Emergency Planning and Community Right to Know Act of 1986 (40 CFR 372.65).*

**CERCLA (USA - Comprehensive Response Compensation and Liability Act):**

Ingredients not listed

**SECTION 16: OTHER INFORMATION****HMIS Rating:**

<b>Health (Blue)</b>	1
<b>Flammability (Red)</b>	1
<b>Reactivity (Yellow)</b>	0
<b>Protective Equipment</b>	B

**HMIS HAZARD INDEX:**

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

B=Safety glasses and gloves

**Revision Summary:**

This MSDS has been revised in the following sections: No revisions available

**Prepared by (Group, Department, etc.):**

Mitsubishi Imaging (MPM), Inc.

**Phone Number:**

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**Date:**

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