

9409 West Commercial Blvd.
Tamarac, Fl. 33351
800-998-3200

MATERIAL SAFETY DATA SHEET

**IN CASE OF TRANSPORTATION EMERGENCY (Spill, Leak, Fire, Exposure, Accident)
Call CHEMTREC 1-800-424-9300 (24 Hour)**

SECTION 1: IDENTIFICATION

Name: MITSUBISHI SDP- ULTIMATE FOUNTAIN SOLUTION **Revision** 10/9/03
Product Number 6018611008
Size 4 X 1 GALLON **Formula** AQUEOUS MIXTURE

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
111-76-2	2-BUTOXY ETHANOL (BUTYL CELLOSOLVE)	30- 40
57-55-6	Propylene glycol	5- 15
6484-52-2	AMMONIUM NITRATE	1- 5

<u>EXPOSURE LIMITS</u>	<u>OSHA</u>		<u>ACGIH</u>		<u>CANADA</u>	
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>
2-BUTOXY ETHANOL (BUTYL CELLOSOLVE)	50 ppm	None	25 ppm	None	25 ppm	75 ppm
Propylene glycol						
AMMONIUM NITRATE						

Source of Exposure Limit Data:

OSHA: Occupational Safety and Health Administration
ACGIH: American Conference of Governmental Industrial Hygienists
CANADA: Province of Alberta's Occupational and Health and Safety Act.

ADDITIONAL EXPOSURE INFORMATION

<u>CAS. NUMBER</u>	<u>SKIN DESIGNATION *</u>			<u>CARCINOGENS</u>			<u>PRIMARY HAZARD</u>	<u>IDLH (ppm)</u>
	<u>OSHA</u>	<u>ACGIH</u>	<u>CANADA</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>		
111-76-2	Yes	Yes	Yes	No	No	No	Systemic toxicity	700
57-55-6	No	No	No					
6484-52-2	No	No	No					

* For substances designated as a 'Skin' hazard, protective measures are recommended to prevent or reduce skin absorption. These measures may include the use of gloves, aprons, goggles or other equipment, as well as engineering controls or work practices.

SECTION 3: HAZARDS IDENTIFICATION

EYES CONTACT:

Irritant, may cause irritation, stinging tearing, redness and swelling. Wear goggles.

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.

INHALATION:

Short term inhalation toxicity is moderate. Exposure may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

INGESTION:

Single dose oral toxicity is moderate. Swallowing large amounts may cause gastric irritation and abdominal spasms, and acidosis.

H.M.I.S. CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0 PROTECTION: B

SECTION 4: FIRST AID MEASURES**EYE CONTACT:**

Immediately wash with running water for at least 15 minutes. Call physician if necessary.

SKIN CONTACT:

Immediately wash with soap and water. Remove contaminated clothing. Call physician if necessary.

INHALATION:

Take patient to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Get immediate medical attention

INGESTION:

Give 2 glasses of water. Induce vomiting and call a physician immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash point (F) : 65 C **FLAMMABILITY LEL- UEL-**

Extinguishing media: Water, Carbon dioxide, Dry chemical, Dry Sand.

Special fire fighting procedures :

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards :

Avoid spreading burning liquid with water used for cooling purposes.

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: FIRE: REACTIVITY: SPECIAL:

SECTION 6: ACCIDENTAL RELEASE MEASURES**SPILL RESPONSE:**

Use appropriate protective equipment. Collect liquid into a suitable container and clean up with water and flush again with water to remove trace amounts. Dispose of flush solution in the same manner as leaked liquid.

SECTION 7: HANDLING AND STORAGE

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 tightly closed 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: Ten room volumes is recommended under normal conditions.

PROTECTIVE

EQUIPMENT: Chemical splash goggles, latex or neoprene gloves, mask, labcoat and eye wash station. For poorly ventilated areas a NIOSH cartridge respirator is recommended. Keep out of reach of children. As with all chemicals avoid bodily contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (C) : N/D

Melting point: N/D

Percent volatile by volume : N/D

Evaporation rate: N/A

Specific gravity (water = 1) 1.028

Appearance : Clear purple liquid

Volatile Organic Compounds: 0 lbs./ Gallon

Vapor pressure: N/D

Vapor density: N/D

Solubility in water: Partially

pH: 4.10

Odor: Glycol ether

SECTION 10: STABILITY AND REACTIVITY**Stability:** Stable**Hazardous polymerization:** Has not been reported.**Incompatibility (materials to avoid):** Organic materials or explosives**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, ammonia, nitrogen oxide, nitrous oxide, nitrogen and other materials.**SECTION 11: DISPOSAL CONSIDERATIONS**

Treatment, storage transportation and disposal must be in accordance with Federal, State and local regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 12: TRANSPORTATION INFORMATION

SHIPPING NAME: NOT REGULATED MATERIAL

UN ID-#: N/A

PACKING GROUP: N/A

MAJOR CLASS: N/A

PRIMARY LABEL: N/A

MINOR CLASS: N/A

SECONDARY LABEL: N/A

REMARKS: NOT REGULATED MATERIAL

* Reference: CFR 49, Table 172.102 (highway)

SECTION 13: REGULATORY INFORMATION

<u>CAS. NUMBER</u>	<u>CERCLA</u>	<u>SARA-EHS</u>	<u>SARA-313</u>	<u>RCRA</u>	<u>CAL-PROP 65</u>	<u>N.J.</u>	<u>FLA.</u>
111-76-2	No	No	No	No	No	No	Yes
57-55-6	No	No	No	No	No	No	Yes
6484-52-2	No	No	No	No	No	No	Yes

* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4

SARA-EHS: 40 CFR. 355 Appendices A B

SARA-313: 40 CFR. section 372.65

RCRA: 40 CFR. section 261.3

CAL-PROP 65: California Proposition 65, Developmental and Reproductiv

New Jersey Right to Know

Florida Right to Know

SECTION 14: OTHER INFORMATION

Comments: EMERGENCY OVERVIEW AND OTHER PRECAUTIONS: Caution! Irritant liquid and vapor with a flash point of 65 degrees 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 lungs.

The data in this Material Safety Data form relates to the specific material designated herein and to the standard use of same in combination with other materials or processes. The hazards covered are believed to be those most likely to occur in the reasonable, contemplated, or ordinary use of these chemicals. No warranty is made or implied in respect of other hazards which may occur as a result of unreasonable, abnormal, or unusual usage, or non-standard application of these materials. The information accumulated herein is believed to be accurate, but GraphLine Inc. expressly denies any warranty to such effect. Customers or recipients are advised to confirm, in advance that the information is current, applicable and suitable to their circumstances. This information is furnished as a service only.