

GraphLine Inc.[®]

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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 FOUNTAIN SOLUTION ADDITIVE SLM-OA1

Revision 5/12/2003

Product Number 6017889004

Size 10 X 1 LITER

Formula: Aqueous Mixture

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>C.A.S. #</u>	<u>INGREDIENTS</u>	<u>%</u>
7732-18-5	WATER	30- 50
9014-85-1	2,4,7,9-Tetramethyl-5 decyne-4 7-diol-di (polyoxyethylene) m+n eth	30- 50
9038-95-3	Polyoxyethylene polyoxyporpylene mono butylether	30- 50

<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>
WATER	None	None	None	None	None	None
2,4,7,9-Tetramethyl-5 decyne-4 7-diol-di (polyoxyet Polyoxyethylene polyoxyporpylene mono butylether	None	None	None	None	None	None

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>		
7732-18-5	No	No	No	No	No	No	Not classified	None
9014-85-1	No	No	No	No	No	No	Not classified	None
9038-95-3	No	No	No	No	No	No	Not classified	None

* 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:

May cause irritation or damage to tissue.

SKIN CONTACT:

May cause irritation and on repeated and prolonged contact may cause sensitization in some susceptible individuals.

INHALATION:

May cause irritation to nasal mucous membranes and respiratory tract.

INGESTION:

May cause irritation or corrosion to digestive tract.

H.M.I.S. CODES: HEALTH: 0 FIRE: 0 REACTIVITY: 0 PROTECTION: NONE

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

Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Contact physician immediately. preferably an ophthalmologist)

SKIN CONTACT:

Rinse with copious amounts of water and/or wash with soap and water for at least 15 minutes. If irritation occurs, contact physician.

INHALATION:

Remove victim to fresh air, if not breathing, have certified person administer first aid /CPR. Contact physician immediately.

INGESTION:

Administer 2-4 glasses milk or water. Contact physician or poison control center immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash point (F) : NONE FLAMMABILITY LEL- UEL-

Extinguishing media: Use water spray,foam,dry chemical.

Special fire fighting procedures :

NONE

Unusual fire and explosion hazards :

NONE

NATIONAL FIRE PROTECTION ASSOC. CODES

HEALTH: 0 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE

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

Dike spill and soak up with sand or a commercially available acid spill kit, sweep up absorbent and place in a hazardous waste container.

SECTION 7: HANDLING AND STORAGE

Keep container tightly closed and away from acids. Remove and wash contaminated clothing immediately. Do not store near heat. Do not store food, drink, or tobacco in area where they may become contaminated with this material.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: None for normal use . - VENTILATION: Local Exhaust: Recommended. - MECHANICAL (General): Should be sufficient. - SKIN PROTECTION: Latex, Rubber or Neoprene Waterproof gloves. - EYES PROTECTION: Safety glasses with side shields or goggles are recommended. - OTHER PROTECTION EQUIPMENT: Rubber or plastic apron.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (C) : 100C

Melting point: N/A

Percent volatile by volume : 60-100

Evaporation rate:

Specific gravity (water = 1) : 1.048

Appearance : Clear solution

Volatile Organic Compounds: N/A

Vapor pressure: N/A

Vapor density: N/A

Solubility in water: COMPLETE

pH: 4.2

Odor: Slight odor

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur

Incompatibility (materials to avoid): Avoid oxidizing materials
Hazardous decomposition products: Combustion will produce COX gas.

SECTION 11: DISPOSAL CONSIDERATIONS

NONE

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>
7732-18-5	No	No	No	No	No	No	No
9014-85-1	No	No	No	No	No	No	No
9038-95-3	No	No	No	No	No	No	No

* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4

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

SARA-EHS: 40 CFR. 355 Appendices A _B

New Jersey Right to Know

SARA-313: 40 CFR. section 372.65

Florida Right to Know

RCRA: 40 CFR. section 261.3

SECTION 14: OTHER INFORMATION

Comments: None

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.