

# GraphLine Inc.<sup>®</sup>

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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 SDP-a CL PLATE CLEANER

Revision 4/22/2004

Product Number 6018127006

Size 5 X 1 liter

Formula: AQUEOUS EMULSION

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S. #	INGREDIENTS	%
122-99-6	ETHYLENE GLYCOL PHENYL ETHER	5- 10
143-22-6	TRIETHYLENE GLYCOL MONO N-BUTYL ETHER	5- 10
5989-27-5	D-Limonene	10- 15
7732-18-5	WATER	50- 60
9003-11-6	Ethyleneoxid/propyleneoxid-copolymer	5- 10

EXPOSURE LIMITS	OSHA		ACGIH		CANADA	
	TWA	STEL	TWA	STEL	TWA	STEL
ETHYLENE GLYCOL PHENYL ETHER	N/E	N/E	N/E	N/E	N/E	N/E
TRIETHYLENE GLYCOL MONO N-BUTYL ETHER						
D-Limonene						
WATER	None	None	None	None	None	None
Ethyleneoxid/propyleneoxid-copolymer						

#### 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

CAS. NUMBER	SKIN DESIGNATION *			CARCINOGENS			PRIMARY HAZARD	IDLH (ppm)
	OSHA	ACGIH	CANADA	IARC	NTP	OSHA		
122-99-6	Yes	Yes	Yes	No	No	No	Mild irritant	Unknown
143-22-6	No	No	No					
5989-27-5	No	No	No					
7732-18-5	No	No	No	No	No	No	Not classified	None
9003-11-6	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-wear goggles.

#### SKIN CONTACT:

Irritant, prolonged exposure may cause irritation-wear rubber gloves.

#### INHALATION:

May cause nausea-wear protective mask. Mechanical exhaust is recommended.

**INGESTION:**

Acute toxicity data, may cause irritation of mucous membranes LD50 estimated by component over 2000 mg/kg (rat-oral).

**H.M.I.S. CODES:****HEALTH:****FIRE:****REACTIVITY:****PROTECTION:****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. Call physician if necessary.

**INHALATION:**

Take patient to fresh air.

**INGESTION:**

Wash mouth with water and call a physician immediately.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash point (F) :** 57.1 C (oil Phase)      **FLAMMABILITY LEL-UEL-**

**Extinguishing media:** 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 :**

Combustion will produce COx gas and NOx gas.

**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.

**SECTION 7: HANDLING AND STORAGE**

Store in a cool dry place. Keep container tightly capped when not in use. Do not use hook, wear protective goggles, mask and gloves. 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.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling point (C) :** 100

**Melting point:** <-4

**Percent volatile by volume :** N/A

**Evaporation rate:** N/A

**Specific gravity (water = 1) :** 1.019

**Appearance :** White emulsion or separated (oil phase water phase)

**Volatile Organic Compounds:** 0 lbs./ Gallon

**Vapor pressure:** N/A

**Vapor density:** N/A

**Solubility in water:** Good

**pH:** 4.81

**Odor:** Citrus odor

