



Raisio Chemicals

MATERIAL SAFETY DATA SHEET

PRODUCT NAME DIAFLOCC 2990W

EFFECTIVE DATE June 1, 1996

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SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME
DIAFLOCC 2990W

PRODUCT USE
Flocculant

MANUFACTURER
Raisio Chemicals
312 - 1285 West Broadway
Vancouver, B.C.
V6H 3Z9

TDG SHIPPING NAME
Not regulated

TDG CLASS
Not regulated

UN/PIN NUMBER
Not applicable

HMIS RATINGS

Health	1
Flammability	0
Reactivity	1
Personal Protection	X

WHMIS CLASS
Not controlled

EMERGENCY TELEPHONE NUMBER (CANUTEC 24 Hours) (613) 996-6666

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROX. CONC %	C.A.S. NUMBER	EXPOSURE LIMITS (TLV)	LD ₅₀ /LC ₅₀ - SPECIES AND ROUTE
None				

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Solid	APPEARANCE White granules	ODOUR None
ODOUR THRESHOLD (ppm) Not available	VAPOUR PRESSURE (mm Hg) Not applicable	VAPOUR DENSITY (Air = 1) Not applicable
BOILING POINT (°C) Not applicable	FREEZING POINT (°C) Not applicable	SOLUBILITY IN WATER (20°C) Moderate
pH 5 - 7 (0.1% w/w solution)	DENSITY (g/mL) (20°C) 0.75 - 0.8	% VOLATILE (by weight) < 8
		COEFFICIENT OF WATER/OIL DISTRIBUTION > 1

SECTION 4 - REACTIVITY DATA

CHEMICAL STABILITY
Stable

INCOMPATIBILITY WITH OTHER SUBSTANCES
Avoid contact with strong alkalis and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition can produce oxides of carbon and nitrogen. Ammonia may be generated on contact with strong alkalis.



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SECTION 5 - FIRE AND EXPLOSION HAZARDS

FLAMMABILITY/COMBUSTIBILITY

This product is not classified as flammable or combustible according to WHMIS.

MEANS OF EXTINCTION

Chemical foam, dry chemical or carbon dioxide. Use of water is not recommended as this can cause extremely slippery conditions.

SPECIAL FIRE-FIGHTING PROCEDURES

Wear self contained breathing apparatus. Solutions of product are extremely slippery.

HAZARDOUS COMBUSTION PRODUCTS

Combustion may produce oxides of nitrogen and carbon, and other compounds of carbon, hydrogen and nitrogen.

FLASH PT. (°C) & METHOD

Not applicable

UPPER EXPLOSION LIMIT (% BY VOLUME)

Not applicable

LOWER EXPLOSION LIMIT (% BY VOLUME)

Not applicable

AUTO IGNITION TEMP.(°C)

Not available

TDG FLAMMABILITY CLASS

Not applicable

SENSITIVITY TO STATIC DISCHARGE

Not sensitive

SENSITIVITY TO MECHANICAL IMPACT

Not sensitive

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

Skin []
Contact

Skin []
Absorption

Eye []
Contact

Inhalation []
Acute

Inhalation []
Chronic

Ingestion []

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Contact with skin may cause irritation, especially after prolonged or repeated contact. Contact of dust or solutions with eyes may cause irritation. Dusts may irritate respiratory tract.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Not available

LD₅₀

Not available

LC₅₀

Not available

EXPOSURE LIMITS

Not available

Carcinogen []

Reproductive []
Effects

Teratogen []

Mutagen []

Irritant []

Sensitizer []

SECTION 7 - PREVENTIVE MEASURES

PROTECTIVE GLOVES

Rubber gloves recommended.

RESPIRATORY PROTECTION

Wear a dust mask/respirator if dusts occur during handling.

EYE PROTECTION

Chemical goggles or safety glasses essential.

PROTECTIVE FOOTWEAR

As required to prevent skin contact.

PROTECTIVE CLOTHING

As required to prevent skin contact.

OTHER PROTECTIVE EQUIPMENT



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SECTION 7 - PREVENTIVE MEASURES (Continued)

ENGINEERING CONTROLS

General ventilation usually adequate. Local exhaust recommended if dusting occurs.

LEAK AND SPILL PROCEDURES

Caution - extreme slip hazard when product is wet. Do not flush to sewer. Dike or contain. All possible spilled material should be collected and packaged for intended use. Sweep or vacuum irrecoverable solid into metal or plastic container. Solutions: absorb irrecoverable material onto inert medium, package, and label for legal disposal.

WASTE DISPOSAL

Dispose of in accordance with Federal, Provincial, and Municipal regulations. Do not burn. Do not flush to sewer.

HANDLING PROCEDURES AND EQUIPMENT

Handle in accordance with good industrial hygiene practice. Wash thoroughly after handling.

STORAGE REQUIREMENTS

Keep closed and dry. Extreme slip hazard when wet. Use only dry, clean utensils when handling. Do not contaminate with water.

SPECIAL SHIPPING INFORMATION

Keep dry.

SECTION 8 - FIRST AID MEASURES

SKIN

Wipe or brush off gross residue with paper towels then wash thoroughly with soap and water. Get medical attention if irritation persists.

EYE

Immediately and thoroughly flush eyes, holding the eyelids open, with lukewarm, gently flowing water for at least 20 minutes, then seek immediate medical attention.

INHALATION

Remove victim from hazard. Apply artificial respiration if indicated. Seek medical attention.

INGESTION

Do not induce vomiting. Call a physician and/or transport victim to an emergency medical facility.

GENERAL ADVICE

SECTION 9 - PREPARATION OF M.S.D.S.

PREPARED BY

Regulatory Affairs Department

PHONE NUMBER

(604) 271-8855

DATE

June 1, 1996

ADDITIONAL INFORMATION AND COMMENTS

Aquatic toxicity: estimated 96 hour LC₅₀ (*Oncorhynchus mykiss*) > 250 mg/L.

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