

DIACHEM**MATERIAL SAFETY DATA SHEET**
PRODUCT NAME DIAFLOCC 3495

EFFECTIVE DATE July 28, 1993

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SECTION 1 - PRODUCT IDENTIFICATION AND USE
PRODUCT NAME
DIAFLOCC 3495

PRODUCT USE
Flocculant

MANUFACTURER
DIACHEM INDUSTRIES LTD.
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 2
Flammability 0
Reactivity 0
Personal Protection X

WHMIS CLASS
D2B

EMERGENCY TELEPHONE NUMBER (CANUTEC 24 Hours) (613) 996-6666
SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROX. CONC %	C.A.S. NUMBER	EXPOSURE LIMITS	LD ₅₀ /LC ₅₀ - SPECIES AND ROUTE
Polyquaternary amines	30 - 60	25988-97-0	Not established	Not available

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	APPEARANCE Clear colourless fluid		ODOUR Slight amine odour
ODOUR THRESHOLD (ppm) Not available	VAPOUR PRESSURE (mm Hg) < 18	VAPOUR DENSITY (Air = 1) Not available	EVAPORATION RATE Slow
BOILING POINT (°C) 100	FREEZING POINT (°C) Approximately 0	SOLUBILITY IN WATER (20°C) Appreciable	% VOLATILE (by weight) 50
pH 6 - 8	DENSITY (g/mL) (20°C) 1.1	COEFFICIENT OF WATER/OIL DISTRIBUTION > 1	

SECTION 4 - REACTIVITY DATA
CHEMICAL STABILITY
Stable

INCOMPATIBILITY WITH OTHER SUBSTANCES
Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
May produce oxides of carbon, oxides of nitrogen, and hydrogen chloride.

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SECTION 5 - FIRE AND EXPLOSION HAZARDS

FLAMMABILITY/COMBUSTIBILITY

This product is not classified as flammable or combustible by WHMIS.

MEANS OF EXTINCTION

As required for surrounding fire.

SPECIAL FIRE-FIGHTING PROCEDURES

Wear protective clothing and self-contained breathing apparatus when handling fires involving chemicals.

HAZARDOUS COMBUSTION PRODUCTS

May produce oxides of carbon, oxides of nitrogen, and hydrogen chloride.

FLASH POINT (°C) & METHOD None to boiling (PMCC)	UPPER EXPLOSION LIMIT (% BY VOLUME) Not applicable	LOWER EXPLOSION LIMIT (% BY VOLUME) Not applicable	
AUTO IGNITION TEMPERATURE (°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 <input checked="" type="checkbox"/> Contact	Skin <input type="checkbox"/> Absorption	Eye <input checked="" type="checkbox"/> Contact	Inhalation <input checked="" type="checkbox"/> Acute	Inhalation <input type="checkbox"/> Chronic	Ingestion <input type="checkbox"/>
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EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Contact with skin can cause slight irritation. Contact with eyes can cause severe irritation. Inhalation of vapour or mist may cause irritation to the upper respiratory tract.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

No chronic effects expected.

LD₅₀ Not available	LC₅₀ Not available	EXPOSURE LIMITS Not available			
Carcinogen <input type="checkbox"/>	Reproductive <input type="checkbox"/> Effects	Teratogen <input type="checkbox"/>	Mutagen <input type="checkbox"/>	Irritant <input checked="" type="checkbox"/>	Sensitizer <input type="checkbox"/>

SECTION 7 - PREVENTIVE MEASURES

PROTECTIVE GLOVES

Rubber gloves recommended.

RESPIRATORY PROTECTION

None normally required under conditions of adequate ventilation. If necessary, wear a NIOSH-approved respirator.

EYE PROTECTION

Chemical goggles or safety glasses essential.

PROTECTIVE FOOTWEAR

Non-slip footwear recommended.

PROTECTIVE CLOTHING

As required to eliminate skin contact.

OTHER PROTECTIVE EQUIPMENT



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SECTION 7 - PREVENTIVE MEASURES (Continued)

ENGINEERING CONTROLS

General (dilution) ventilation is usually adequate.

LEAK AND SPILL PROCEDURES

Caution - slip hazard. Do not flush to sewer. Dike or contain. Absorb onto inert medium, package, and label for legal disposal.

WASTE DISPOSAL

Dispose of in accordance with Federal, Provincial, and Municipal regulations.

HANDLING PROCEDURES AND EQUIPMENT

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

STORAGE REQUIREMENTS

Keep container closed and dry. Keep container in a well ventilated area away from fire, sparks, and flame. Do not mix with incompatible materials.

SPECIAL SHIPPING INFORMATION

Prevent from freezing. Maintain above 5°C.

SECTION 8 - FIRST AID MEASURES

SKIN

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

EYE

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

INHALATION

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

INGESTION

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

July 28, 1993

ADDITIONAL INFORMATION AND COMMENTS

- USFDA Approval - cleared under 21CFR176.170 (components of paper and paperboard in contact with aqueous and fatty foods) and 21CFR176.180 (components of paper and paperboard in contact with dry food)
- CEPA Approval - all components appear on the Domestic Substances List
- TSCA Approval - all components appear on the TSCA Chemical Substance Inventory

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