

POLYQUAT PQ-2

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	HMIS CODES	
Polyquat PQ-2 Biocide	Health	1
PRODUCT CODES	Flammability	0
PQ2/1, PQ2/5, PQ2/20	Reactivity	0
CHEMICAL FAMILY	PPI	B
Organic/Inorganic		
USE		
Industrial water & swimming pool algaecide/biocide		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
Greenleaf Solutions Ltd	Poisons Information Centre	
PO Box 64-125	New Zealand	0800-764-766
Botany, Auckland NZ 1703	Australia	13-1126
DATE OF PREPARATION	TECHNICAL SERVICE TELEPHONE NO.	
15 th December, 2004		0061-9-530 9550

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT
20.00	68424-95-3	N,N-Dimethyl-2hydroxypropylammonium chloride polymer

Section 3 -- HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS
 Based on the available animal toxicity information, it is anticipated that this material will cause mild or no skin or eye irritation upon direct or prolonged contact. No human overexposure data is available for this material.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION
 None known.

EYE CONTACT
 May cause eye irritation.

SKIN CONTACT
 May cause skin irritation.

INGESTION
 May cause Nausea and vomiting.

SUMMARY OF CHRONIC HAZARDS
 None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
 No effects indicated.

Section 4 -- FIRST AID MEASURES

If INHALED: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

If on SKIN: Immediately wash with soap and water. Remove and wash any contaminated clothing.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.

If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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Section 11 -- TOXICOLOGY INFORMATION
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CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA

Ingredient Name

The following ecotoxicological data refer to:

N,N-Dimethyl-2-hydroxypropylammonium chloride polymer (CAS-No.: 25988-97-0)

Toxicity to fish (LC50): 0,27 mg/l
Species: zebra fish
Acute toxicity
Exposure time: 96 h
Method: OECD 203

Toxicity to algae (ErC50): 0,18 mg/l
Species: Scenedesmus sp.
Growth inhibition
Exposure time: 72 h
Method: OECD Test Guideline, 201, Paris, 1981

Toxicity to bacteria (EC50): 150 mg/l
Species: activated sludge
Respiration inhibition
Exposure time: 3 h Method: OECD 209

Biodegradability: Modified Sturm Test: 81,0 %
Not readily biodegradable.
Testing period: 28 d
Method: OECD 301 B

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Section 12 -- Ecological Information
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ECOLOGICAL DATAIngredient Name

SEE ABOVE

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Section 13 -- DISPOSAL CONSIDERATIONS
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Waste Classification: Non-regulated liquid waste.

Disposal Method: Dispose of in accordance with local, state and federal regulations.

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 Section 14 -- TRANSPORTATION INFORMATION

ADR : Class: 9 / Item: 11 c
 Packaging group: III
 Label: Miscellaneous No. 9
 HI No. : 90

RID : Class: 9 / Item: 11 c
 Packaging group: III
 Label: Miscellaneous No. 9
 HI No. : 90

IATA Cargo : Class: 9
 Packaging group: III
 Label: Miscellaneous No. 9
 Packing instruction (cargo aircraft): 914

IATA Passenger : Class: 9 Packaging group: III Label: Miscellaneous No. 9
 Packing instruction (passenger aircraft): 914

IMDG-Code : Class: 9
 Packaging group: III
 Label: Miscellaneous No. 9
 EmS: NONE

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 Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
 Ingredient Name

 This is an EPA registered pesticide (EPA Registration No.)

N,N-Dimethyl-2-hydroxypropylammonium chloride polymer
 SARA 313 No
 TSCA Inventory Yes
 CERCLA RQ N/A
 RCRA Code N/A

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 Section 16 -- OTHER INFORMATION

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.