



DICATRETE

HMIS		NFPA	Personal protective equipment			
Health	3	3				
Fire Hazard	0	0				
Reactivity	0	0				

Version Number: 1

Preparation date: 2004-09-21

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DICATRETE
MSDS #: 11595_HX
Product code: 11595I00, 01111079
Recommended use: Cooling Water Treatment.

Manufacturer, importer, supplier:

JohnsonDiversey, Inc.
 3630 E. Kemper Rd.
 Cincinnati, OH 45241
 Phone: 1-800-438-2647

Canadian Headquarters
 JohnsonDiversey - Canada, Inc.
 2401 Bristol Circle
 Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Johnson Diversey México S.A. de C.V.
 Av. Henry Ford No. 12
 Fracc. Industrial San Nicolás
 C.P. 54030 Tlalnepantla, Estado de México

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. Causes skin and eye burns. HARMFUL OR FATAL IF SWALLOWED. Ingestion of large amounts may cause poisoning. Symptoms include: methemoglobinemia, cyanosis (blue skin), marked fall in blood pressure, leading to collapse, coma and possibly death.

Principle routes of exposure: Eyes. Skin. Inhalation.
Skin contact: Corrosive. May cause permanent damage.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sulfuric acid	7664-93-9	40 - 50%	2140 mg/kg (rat)	Not available	510 mg/m ³ /2H (rat)
Zinc sulfate	7733-02-0	1 - 5%	2 g/kg (rabbit)	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water. If irritation persists, get medical attention. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
Skin contact: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.
Ingestion: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Not applicable
Unusual hazards: Corrosive material (See sections 8 and 10).

Specific methods: No special methods required.
Autoignition temperature: No information available.

Special protective equipment for firefighters: The product is not flammable. Wear self contained breathing apparatus for fire fighting if necessary.

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Use personal protective equipment. Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Use appropriate containment to avoid environmental contamination. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin, eyes and clothing. Do not taste or swallow . Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use . Wash thoroughly after handling . Product residue may remain on/in empty containers . All precautions for handling the product must be used in handling the empty container and residue . FOR COMMERCIAL AND INDUSTRIAL USE ONLY .
Storage:
Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing . Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
Good general ventilation should be sufficient to control airborne levels . Respiratory protection is not required if good ventilation is maintained . In case of insufficient ventilation wear suitable respiratory equipment..

Personal Protective Equipment

Eye protection: Chemical splash goggles .
Hand protection: Chemical resistant gloves . Includes . neoprene gloves.
Skin and body protection: If major exposure is possible, wear suitable protective clothing and footwear .
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice . Avoid contact with skin, eyes and clothing . Wash hands before breaks and immediately after handling the product .

Ingredient	CAS #	ACGIH	OSHA	Mexico
Sulfuric acid	7664-93-9	0.2 mg/m ³ (TWA)	1 mg/m ³ (TWA)	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Appearance:	Liquid
Color:	Colourless	Boiling point/range:	>212 (°F)>100 (°C)
Odor:	Slight	Melting point/range:	Not determined
Specific gravity:	1.34	pH:	<1
Dilution pH:	<1	Density:	No information available
Bulk density:	No information available	Decomposition temperature:	Not determined
Vapor density:	No information available	Autoignition temperature:	No information available
Vapor pressure:	17.5	Evaporation rate:	No information available
Solubility:	Soluble	Solubility in other solvents:	No information available
VOC:	0	Viscosity:	No information available
Flash point:	Not applicable		
Partition coefficient (n-octanol/water):	No information available		

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerisation does not occur
Hazardous decomposition products: None reasonably foreseeable
Materials to avoid: Strong bases. Do not mix with chlorinated products .
Conditions to avoid: Stable at normal conditions.

11. TOXICOLOGICAL INFORMATION

Component Information: See Section 3
Chronic toxicity: Not determined.

Specific effects

Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	None known

HAZARDOUS COMPONENTS

Ingredient	CAS #	NTP	IARC	OSHA
Sulfuric acid	7664-93-9	Listed.	1 Human carcinogen.	

12. ECOLOGICAL INFORMATION

Environmental Information: Must not reach sewage water or drainage ditch undiluted or unneutralized .

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products:**

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

RCRA Hazard Class: D002

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION**International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Philippines (PICCS), China (IECSC).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Sulfuric acid	7664-93-9	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-
Zinc sulfate	7733-02-0	Listed	-	Listed	-	Listed	Listed

CERCLA / SARA

Ingredient	CAS #	Weight %	RQ	Section 302/TPQs	Section 313
Sulfuric acid	7664-93-9	40 - 50%	1000 LBS	1000 LBS	Listed.
Zinc sulfate	7733-02-0	1 - 5%	1000 LBS		Listed.

Ingredient	CAA HAP	CAA ODS	CWA Priority Pollutants
Zinc sulfate			Listed.

Canada

WHMIS hazard class: E Corrosive material .



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Ingredient	CAS #	NPRI
Sulfuric acid	7664-93-9	Listed
Zinc sulfate	7733-02-0	Listed

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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