

Material Safety Data Sheet

Reissued: October 20, 2011

Date: September 25, 2008

Supersedes: 9/28/2005

Section 1. Chemical Product and Company information

Product Name: Radiacwash

Trade Name: N/A

Product Type: Cleaning Solution

CASRN: N/A

DOT-Shipping Name: Not Regulated by DOT

DOT Hazard Class: N/A

	<u>Hazard Ratings *</u>		<u>Ratings Key</u>
	<u>NPCA/HMIS</u>	<u>NFPA 704</u>	
Health	0	0	0 = minimal
Flammability	0	0	1 = slight
Reactivity	0	0	2 = moderate
			3 = serious
			4 = severe

Emergency Telephone Number

(631)924-9000

Manufacturer/Distributor

Biodex Medical Systems, Inc.

20 Ramsay Road

Shirley, NY 11967

* See Section 16 for designations of abbreviations used

Section 2. Composition/Information on Ingredients

This product contains no hazardous ingredients as defined in the OSHA Hazard Communication Standard (29 CF.R 1910.1200)

<u>Ingredients</u>	<u>CASRN</u>	<u>% Weight</u>
Mineral Water	7732-18-5	85.392
Octyl Phenol (condensed) w/8-10 moles Ethylene Oxide, Triton X100	9036-19-5	6.000
Tetrasodium Ethylenediamine Triacetate	64-02-8	5.700
Citric Acid	77-92-9	2.900
Benzyl dimethyl (2-(2-(P-(1,1,3,3-tetramethylbutyl) Phenoxy) Ethoxy) Ethyl) Ammonium Chloride, Hyamine 1622	121-54-0	0.008

Section 3. Hazards Identification/Emergency Overview

<u>Carcinogenic/Potentially Carcinogenic</u>	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
	No	No	No

This product is nontoxic and nonflammable. Flashpoint: >110 degrees C (230 degrees F)

Oral Toxicity is low.

Section 4. First Aid Measures

Skin Contact: None required

Eye Contact: Wash with copious amounts of cold water

Skin Contact: None required

Skin Contact: None required

Section 5. Fire Fighting Measures

Extinguishing Media: Any media appropriate for surrounding materials.

Special Fire-Fighting Procedures or Equipment: None required

Hazardous Combustion Products: None known

Unusual Fire/Explosion Hazardous: None known

Section 6. Accidental Release Measures

None required

Section 7. Handling and Storage Information

This product does not require any special handling. Do not store product below zero degrees C (32 degrees F) or above 38 degrees C (100 degrees F)

Section 8. Exposure Controls/Personal Protection

No exposure controls or special personal protection is needed for this product .

Section 9. Physical/Chemical Properties

Appearance: Bluish/transparent liquid

Flash Point: >110 degrees C (233 degrees F)

Boiling Point: 100 degrees C (212 degrees F)

Freezing Point: 0.3 degrees C (35 degrees F)

Odor: pungent

Solubility (water): soluble

(organics): insoluble

Specific Gravity: 1.052 grams/milliliter

Evaporation Rate (Water = 1.0) : 1.2

Section 10. Stability/Reactivity

This product is stable and not reactive.

Section 11. Toxicological Information

This product is not toxic and poses no significant health hazards.

Section 12. Ecological Information

This product is not expected to cause any significant adverse health effects to the environment when it is used as intended and properly disposed of.

Section 13. Disposal Considerations

Dispose in accordance with local, state and federal regulations.

Section 14. Transportation Information

This product is not regulated by DOT

Section 15. Regulatory Information

The ingredients in this product are listed on the TSCA Inventory. None of the ingredients in this product are Class 2 Ozone depleting agents or regulated by the CERCLA, RCRA, SARA, Clean Air Act or the Clean Water Act. This product is not considered to be a hazardous waste under the state of Minnesota Regulations.

Section 16. Other Information

The manufacturer and distributor of this product and the preparer of this MSDS believe that the information contained herein is complete and accurate as of today's date. HOWEVER NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION PROVIDED HEREIN. Since the conditions and methods of use of this product are beyond the control of the manufacturer/distributor and the MSDS preparer, these parties expressly disclaim any and all liabilities from results arising from any use or misuse of the product or information in this MSDS.

Abbreviations used in this MSDS

CERCLA: Comprehensive Environmental Response Compensation and Liability Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

IARC: International Agency for Research on Cancer

NFPA: National Fire Protection Association

NPCA/HNIS: National Paint and Coatings Association's Hazardous Materials Information System

NTP National Toxicology Program

OSHA: Occupational safety and Health Administration

RCRA: Resource Conservation and Recovery Act

SARA: Superfund Amendments and Reauthorization Act



Assessment for "Radicawash" for Compliance with the State of Minnesota's MN Rule 7045,
SGS LSS Project No.:001:020966/1

Background

A current Material Safety Data Sheet (MSDS) for this product which contained a quantitative list of the ingredients in it and MSDSs for all the ingredients, except water, were submitted to the reviewer. It is assumed that these ingredients contain no contaminants at levels that would be toxic or irritating to a consumer who may be exposed to them.

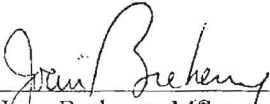
LSS Life Science Services, Inc. has requested that this product be evaluated for compliance with the Minnesota Pollution Control Agency's amended MN Rule 7045 Hazardous Wastes In 7045.031 Characteristics of Hazardous Waste Regulations. These regulations require that chemical solutions be classified in terms of potential lethality as defined in MN Rule 7045 (median oral lethal dose of <500 mg/kg, median dermal lethal dose of <1,000 mg/kg and inhalation medial lethal concentrations of <2,000 mg/cubic meter of air for dusts/mists and 1,000 ppm for gases/vapors).

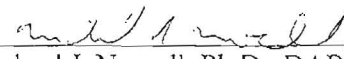
Assessment

Computerized searches of the National Library of Medicine's (NLM's) toxicological databases and other sources of information provided the available average median dose values for each of the ingredients in this product (oral, dermal and inhalation exposures). Based on these data, the amount of water (>85%) and the low toxicity values for the remaining ingredients in this mixture, it may be concluded that this product will not exceed the median lethal thresholds established in the regulations cited above for classifying this product as potentially lethal.

Conclusion

Based on all the available information provided to date, it is our opinion that this "Radicawash" product does not meet the criteria established by the State of Minnesota as a hazardous waste (not lethal as defined in MN Rule 7045).


Joan Breheny, MS
Manager Toxicology
Life Science Services
09/12/05
Date


Michael J. Norvell, Ph.D., DABT*
Toxicologist and Consultant to SGS Life Science Services
Date
SEP 27 2005
* Diplomate, American Board of Toxicology, Inc.