



Material Safety Data Sheet

Printing date November 1, 2006
2002

Reviewed April 9,

Revised November 1, 2006

1. Identification of substance

Trade name/Stock number:

Samarium **STERISpheres**TM/C-15A10
Samarium **STERISpheres**TM/C-15A20
Lanthanum **STERISpheres**TM/C-15B10
Lanthanum **STERISpheres**TM/C-15B20
Antimony **STERISpheres**TM/C-15C10
Antimony **STERISpheres**TM/C-15C20
Ytterbium **STERISpheres**TM/C-15D10
Ytterbium **STERISpheres**TM/C-15D20
Lutetium **STERISpheres**TM/C-15E10
Lutetium **STERISpheres**TM/C-15E20
Rhenium **STERISpheres**TM/C-15F10
Rhenium **STERISpheres**TM/C-15F20
Iridium **STERISpheres**TM/C-15G10
Iridium **STERISpheres**TM/C-15G20
Gold **STERISpheres**TM/C-15H10
Gold **STERISpheres**TM/C-15H20
Scandium **STERISpheres**TM/C-15J10
Scandium **STERISpheres**TM/C-15J20
Europium **STERISpheres**TM/C-15O10
Europium **STERISpheres**TM/C-15K20
Holmium **STERISpheres**TM/C-15L10
Holmium **STERISpheres**TM/C-15L20
Terbium **STERISpheres**TM/C-15N10
Terbium **STERISpheres**TM/C-15N20

Europium **STERISpheres**TM/C-10K10
Terbium **STERISpheres**TM/C-10N10

Ferro**TRACK**TM/C-01Q10
Ferro**TRACK**TM/C-15Q10
Ferro**TRACK**TM/C-100Q10

Samarium **STERISpheres**TM/C-10A10
Lanthanum **STERISpheres**TM/C-10B10
Ytterbium **STERISpheres**TM/C-10D10
Lutetium **STERISpheres**TM/C-10E10
Gold **STERISpheres**TM/C-10H10

Manufacturer/supplier:
BioPAL
80 Webster Street
Worcester, MA 01603

Emergency phone: 508-770-1190

2. Composition

Indicated element, polystyrene, saline, Tween 20, and thimerasol

3. Hazard identification

Irritant

4. First aid measures

Immediate treatment-Work site

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

5. Fire fighting measures

Extinguishing Media Suitable: Carbon dioxide ordry chemical powder

6. Accidental release measures

Procedure to be followed in case of leak or spill: Clean area wearing rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid contact with substance. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated exposure.

Storage: Keep tightly closed. Store in a cool dry place

8. Exposure controls

Engineering controls: Safety shower and eye bath.

Personal Protective equipment: Wear chemical resistant gloves, safety goggles, other protective clothing.

General Hygiene measures: Wash contaminated clothing before reuse. Wash thoroughly after handling.

9. Physical Chemical Properties

Appearance: Colored microspheres

Form Aqueous suspension of 15 micron spheres

10. Stability and reactivity

Stability: Materials to avoid include strong oxidizing agents, strong acids, strong bases, and organic solvents

11. Toxicological information

The toxicological properties of this material have not been established.

12. Ecological information

The biodegradable nature of these materials has not been established.

13. Disposal considerations

Dispose in a chemical landfill. Observe all federal state, and local environmental regulations.

14. Transport information:

This substance is considered to be non-hazardous for transport and for air transport.

15. Regulatory information

US Classification and label text

Indication of danger: Irritant

Safety statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing

US statements

16. Other information

This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. BioPAL shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2005 BioPAL. License granted to make unlimited paper copies for internal use only.