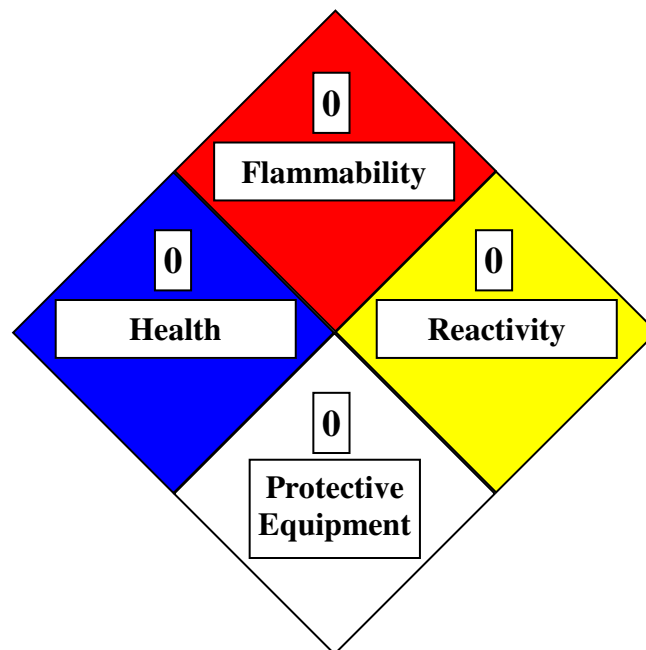


Material Safety Data Sheet



1. Identification of substance:

Trade name: Lite-Cell products

Product forms: Pellets & standard and custom bulk shapes (Bricks, boards, cylinders, etc.)

Manufacturer: Cellaris Ltd.

Bar-Lev industrial park

P.O. Box 15, D.N. Misgav

20179 - Israel

Tel: 972-4-9551918

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Mobile: 972-64-302426

E-mail: grader@cellaris.com

Web: www.cellaris.com

Emergency phone: 972-4-955-1918

2. Composition / data on components:

Ingredient name	%	EINECS number	CAS number	Symbol	R Phrases
Aluminum Oxide	72 - 99.5	215-691-6	1344-28-1	Al ₂ O ₃	
Mullite	0.5 - 28	215-113-2	1302-93-8	Al ₆ Si ₂ O ₁₃	

3. Hazards identification:

The bulk shapes supplied are non-hazardous during usage.

When dealing with pellets and when the bulk product is cut, grinded or machined, dust might be generated and cause irritation of eyes, skin and upper respiratory tract.

4. First aid measures:

Eyes: Flush eyes with clean water.

Skin: Wash skin with soap and water.

Inhalation: Supply fresh air.

5. Fire fighting measures:

Lite-Cell products are non-flammable and non-explosive.

6. Accidental release measures:

Personal precautions: During handling of loose pellets and bulk machining, if dust is generated, use common protective equipment like dust respirator and glasses against the inert dust.

7. Handling and storage:

No special instructions.

8. Exposure control / Personal protective equipment:

Personal precautions: During handling of loose pellets and bulk machining, if dust is generated, use common protective equipment like dust respirator and glasses against the inert dust.

9. Physical & chemical properties:

Physical state: Solid, sintered shapes.
Boiling point: Not applicable
Vapor pressure: Not applicable
Solubility: Not applicable
Density: 0.09 – 1.0 gr/cc
Odor: Odorless
Octanol – Water coefficient: Not applicable
Appearance: White
Melting point: 2000 °C
Vapor density: Not applicable
pH level: Not determined
Odor threshold: Not applicable

10. Chemical stability & reactivity:

Stability: Stable under normal conditions of use, storage, and transportation.

Hazardous decomposition: No dangerous decomposition products for fired parts.

11. Toxicological information:

The product is not toxicological.

12. Ecological information:

The product is fiber free and inert to the environment.

The product does not contain any free silica. All SiO₂ is in the form of mullite.



Cellaris Ltd. Bar-Lev industrial park,
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13. Disposal considerations:

No special instructions for the disposal of the product. Consult state, local or national regulations for proper disposal.

14. Transport information:

No special instruction.

15. Regulatory information:

Risk phrases: R20 – Harmful by inhalation.

Safety advise phrases: S22 – Do not breath dust.

16. Other information:

MSDS History: Revision 1.00: January 2004
 Revision 1.10: September 2008
 Revision 1.11: December 2009

MSDS status: Revision 1.11

Prepared by: Cellaris Material Department