



SAFETY DATA SHEET

MATERION

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation	Silicon Dioxide Product		
Version No.	01		
Issue date	18-June-2015		
CAS #	7631-86-9		
Manufacturer information	Materion Advanced Materials Group 42 Mt. Ebo Road South Brewster, NY 10509		
	United States		
	Supplier Phone	1+845.279.0900	
	Chemtrec	1+703.527.3887	

2. HAZARDS IDENTIFICATION

Physical hazards	Not classified as a physical hazard.
Health hazards	Not classified as a health hazard.
Environmental hazards	Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Silicon Dioxide Product	7631-86-9	100 - 100	231-545-4	

4. FIRST-AID MEASURES

5. FIRE-FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

7. HANDLING AND STORAGE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	
Additional exposure data	Not available.
Personal protective equipment	
Skin and body protection	Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Solid.
Form	Not available.
Colour	Not available.
Odour	Not applicable.
Odour threshold	Not available.
pH	Not available.
Boiling point	2230 °C (4046 °F)
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.

Vapour pressure	< 0,0000001 kPa at 25 °C
Relative density	Not available.
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not available.
Vapour density	Not available.
Evaporation rate	Not available.
Melting point/freezing point	1710 °C (3110 °F)
Auto-ignition temperature	Not applicable.
VOC	Not available.
Molecular weight	60,09 g/mol
Molecular formula	O2Si
Other data	
Heat of combustion (NFPA 30B)	0 kJ/g

10. STABILITY AND REACTIVITY

Conditions to avoid	Not available.
Hazardous decomposition products	Not available.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Product	Species	Test results
Silicon Dioxide Product (CAS 7631-86-9)		
Acute		
Oral		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon Dioxide Product (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

15. REGULATORY INFORMATION

Labeling

Contains	Silicon Dioxide Product
EC number	231-545-4
R-phrases(s)	None.
S-phrases(s)	None.

16. OTHER INFORMATION