



SAFETY DATA SHEET

MATERION

1. Product and company identification

Product name Zinc Product
Manufacturer/Supplier Materion Advanced Materials Group
Address 42 Mt. Ebo Road South
Brewster, NY 10509
United States
Telephone Supplier Phone 1+845.279.0900
e-mail Not available.
Contact person
Emergency telephone number Chemtrec 1+703.527.3887

Recommended use and Limitations on use

Recommended use Not available.
SDS number 141

2. Hazards identification

GHS classification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements

Symbols None.
Signal word None.
Hazard statement None.

3. Composition/information on ingredients

Substance or mixture Substance

Chemical property	CAS Number	Concentration (%)
Zinc Product	7440-66-6	100 - 100

4. First aid measures

Inhalation Not available.
Skin contact Not available.
Eye contact Not available.
Ingestion Not available.
Potential delayed effects Not available.
Personal protection for first-aid responders Not available.
Notes to physician Not available.

5. Fire-fighting measures

Extinguishing media Not available.
Extinguishing media to avoid None.
HAZCHEM Code Number None.
Specific hazards during fire fighting None.
Special fire fighting procedures Not available.
Protection of fire-fighters Not available.
Hazards from combustion products None.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not available.
Environmental precautions	Not available.
Spill cleanup methods	Not available.

7. Handling and storage

Handling

Precautions	Not available.
Safe handling advice	Not available.
Prevention of fire and explosion	Not available.

Storage

Suitable storage conditions	Not available.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Exposure limits

No exposure limits noted for ingredient(s).

Biological limit values	No biological exposure limits noted for the ingredient(s).
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Engineering controls

Personal protective equipment

Respiratory protection	Not available.
Skin protection	Not available.
Eye/face protection	Not available.
Radioactive or thermal hazards	Not available.
Hygiene measures	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.

Melting point/freezing point 419.53 °C (787.15 °F)

Boiling point, initial boiling point, and boiling range 907 °C (1664.6 °F)

Flash point Not available.

Auto-ignition temperature Not applicable.

Flammability (solid, gas) Not applicable.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit – upper (%) Not available.

Vapour pressure < 0.0000001 kPa at 25 °C

Vapour density Not available.

Evaporation rate Not available.

Relative density Not available.

Density 7.13 g/cm³ estimated at 25 °C

Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Molecular weight	65.38 g/mol
Other data	
Molecular formula	Zn
Specific gravity	7.13 at 25 °C

10. Stability and reactivity

Stability	None.
Conditions to avoid	None.
Incompatible materials	None.
Hazardous decomposition products	None.
Possibility of hazardous reactions	None.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.

Product	Species	Test results
Zinc Product (CAS 7440-66-6)		
Acute		
Oral		
LD50	Rat	630 mg/kg
Routes of exposure	Not available.	
Symptoms	Not available.	
Skin corrosion/irritation	Not available.	
Serious eye damage/eye irritation	Not available.	
Skin sensitiser	Not available.	
Chronic effects	Not available.	
Relevant negative data	Not available.	

12. Ecological information

Ecotoxicological data

Product	Species	Test results
Zinc Product (CAS 7440-66-6)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 2.8 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.56 mg/l, 96 hours
Ecotoxicity	Not available.	
Persistence and degradability	Not available.	
Bioaccumulation	Not available.	
Partition coefficient n-octanol/water (log Kow)	Not available.	
Bioconcentration factor (BCF)	Not available.	
Mobility	Not available.	
Other hazardous effects	Not available.	

13. Disposal considerations

Disposal methods/information Not available.
Special precautions Not available.

14. Transport information

IATA

UN number UN1436
UN proper shipping name Zinc dust
Transport hazard class(es)
Class 4.3
Subsidiary risk 4.2
Packing group III
Environmental hazards No.
ERG Code 4SW
Special precautions for user Not available.
Other information
Passenger and cargo aircraft Allowed.
Cargo aircraft only Allowed.

IMDG

UN number UN1436
UN proper shipping name ZINC POWDER or ZINC DUST
Transport hazard class(es)
Class 4.3
Subsidiary risk 4.2
Packing group III
Environmental hazards
Marine pollutant No.
EmS F-G, S-O
Special precautions for user Not available.

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

IATA; IMDG



15. Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

Zinc Product (CAS 7440-66-6)

HSNO Approved

16. Other information

References Not available.
Issued by Not available.
Prepared by Not available.
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