



MATERION

SAFETY DATA SHEET

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

Identification of the substance/preparation	Copper Fluoride (CuF₂)
Version No.	01
Issue date	23-April-2015
CAS #	7789-19-7
SDS Number	C-MSDS0188
Manufacturer information	Materion Advanced Chemicals Inc. 407 N. 13th Street 1316 W. St. Paul Avenue Milwaukee, WI 53233 United States advancedmaterials@materion.com 414.212.0257

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
Copper Fluoride	7789-19-7	100	232-147-3	

4. FIRST-AID MEASURES

5. FIRE-FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

7. HANDLING AND STORAGE

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Material	Type	Value
Copper Fluoride (CAS 7789-19-7)	TWA	2,5 mg/m ³

Turkey. MAK (Ordinance No. 1475 on Precautions Required in Workplaces Working with Flammable, Explosive, Dangerous and Harmful Substances, Annexes 1-3 (1973))

Material	Type	Value
Copper Fluoride (CAS 7789-19-7)	MAK	2,5 mg/m ³

Turkey. OELs. Regulation on Protection of Health & Safety Measures from Risks related to Chemical Agents at Work, Annex I, Indicative Occupational Exposure Limit Values

Material	Type	Value
Copper Fluoride (CAS 7789-19-7)	TWA	2,5 mg/m ³

Biological limit values

ACGIH Biological Exposure Indices

Material	Value	Determinant	Specimen	Sampling time
Copper Fluoride (CAS 7789-19-7)	3 mg/l	Fluoride	Urine	*

ACGIH Biological Exposure Indices

Material	Value	Determinant	Specimen	Sampling time
	2 mg/l	Fluoride	Urine	*

* - For sampling details, please see the source document.

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 applicable.
pH	Not applicable.
Boiling point	Not available.
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 kPa at 25 °C
Relative density	Not applicable.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not available.
Vapour density	Not applicable.
Evaporation rate	Not available.
Melting point/freezing point	Not available.
Auto-ignition temperature	Not available.
VOC	Not available.
Molecular formula	CuF ₂

10. STABILITY AND REACTIVITY

Conditions to avoid Not available.

Hazardous decomposition products Not available.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Copper Fluoride (CAS 7789-19-7)

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	Copper Flouride
EC Number	232-147-3
R-phrases(s)	None.
S-phrases(s)	None.

16. OTHER INFORMATION