N		Page 1/7
NC.	Safety data sheet according to 1907/2006/EC, Article	e 31
Printing date 20.07.202	Ŭ ,	Revision: 20.07.2021
SECTION 1: Id	lentification of the substance/mixture and o	f the company/undertaking
· 1.1 Product identif		
	per(II) fluoride, anhydrous, 99%	
	2923 ified uses of the substance or mixture and uses advise t information available.	ed against
• 1.3 Details of the s • Manufacturer/Sup Strem Chemicals, I 7 Mulliken Way NEWBURYPORT, J USA info@strem.com	nc.	
• 1.4 Emergency tele EMERGENCY: CI	on obtainable from: Technical Department ephone number: HEMTREC: + 1 (800) 424-9300 ening times: +1 (978) 499-1600	
SECTION 2. H	azards identification	
• 2.1 Classification of • Classification acco	of the substance or mixture ording to Regulation (EC) No 1272/2008 corrosion 14 Causes severe skin burns and eye damage.	
· 2.2 Label elements · Labelling accordin	ng to Regulation (EC) No 1272/2008 assified and labelled according to the CLP regulation	



-0

CHEMICALS, II

· Signal word Danger

Hazard-determining components of labelling: Cupric fluoride
Hazard statements
H314 Causes severe skin burns and eye damage.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P231 Handle under inert gas.

(Contd. on page 2) GB

HEMICALS, INC.

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.07.2021

Revision: 20.07.2021

Trade name: Copper(II) fluoride, anhydrous, 99%

(Contd. of page 1)

P303+P361+P3	353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
	shower.
P305+P351+P3	238 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P422	Store contents under inert gas.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.1 Chemical characterisation: Substances

- · CAS No. Description
- 7789-19-7 Cupric fluoride
- Identification number(s)
- EC number: 232-147-3

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- · 5.3 Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

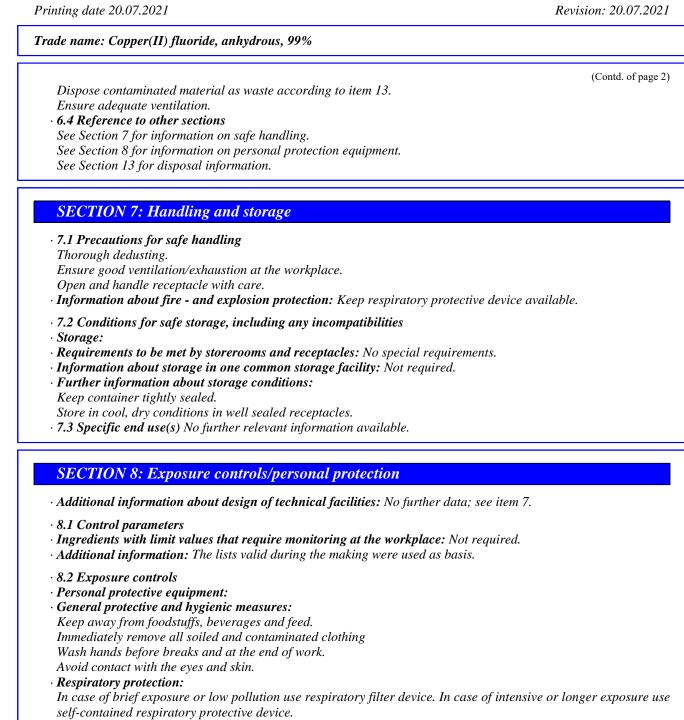
SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: No special measures required.
- 6.3 Methods and material for containment and cleaning up: Use neutralising agent.

(Contd. on page 3)

GB

Safety data sheet according to 1907/2006/EC, Article 31



· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

CHEMICALS, INC.

Printing date 20.07.2021

Safety data sheet according to 1907/2006/EC, Article 31

Revision: 20.07.2021

	(Contd. of pa
Material of gloves	not only depend on the material, but also on further marks of quality
varies from manufacturer to manufactur	
Penetration time of glove material	
	e found out by the manufacturer of the protective gloves and has to
observed. Eye protection:	
Tightly sealed goggles	
9.1 Information on basic physical and c General Information	chemical properties
Appearance:	
Form:	Powder
Colour:	Whitish
Odour:	Odourless No. 4 No
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	700.00
Melting point/freezing point: Initial boiling point and boiling range	780 °C
Flash point:	Not applicable.
-	Not determined.
Flammability (solid, gas):	Noi determined.
Ignition temperature:	
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits: Lower:	Not determined
Lower: Upper:	Not determined. Not determined.
Vapour pressure:	Not applicable.
Density at 20 °C: Relative density	4.23 g/cm ³ Not determined.
Vapour density	Not determined. Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Insoluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.00 %
Solids content:	100.0 %

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.07.2021

Revision: 20.07.2021

(Contd. of page 4)

Trade name: Copper(II) fluoride, anhydrous, 99%

• 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- Primary irritant effect:
- · Skin corrosion/irritation
- Causes severe skin burns and eye damage.
- · Serious eye damage/irritation
- Causes severe skin burns and eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Must not reach sewage water or drainage ditch undiluted or unneutralised.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

GB

CHEMICALS, INC

(Contd. of page 5)

Safety data sheet according to 1907/2006/EC, Article 31

Revision: 20.07.2021

Trade name: Copper(II) fluoride, anhydrous, 99%

· Uncleaned packaging:

• *Recommendation: Disposal must be made according to official regulations.*

SECTION 14: Transport informat	lon
14.1 UN-Number ADR, IMDG, IATA	UN1759
14.2 UN proper shipping name ADR IMDG, IATA	1759 CORROSIVE SOLID, N.O.S. (Cupric fluoride) CORROSIVE SOLID, N.O.S. (Cupric fluoride)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class Label	8 Corrosive substances. 8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Category	Warning: Corrosive substances. 86 F-A,S-B A
14.7 Transport in bulk according to Anna Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
Transport category Tunnel restriction code	2 E
UN "Model Regulation":	UN 1759 CORROSIVE SOLID, N.O.S. (CUPRIC FLUORIDI 8, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

(Contd. on page 7)



Printing date 20.07.2021

GB -

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 20.07.2021

Revision: 20.07.2021

Trade name: Copper(II) fluoride, anhydrous, 99%

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Technical Department.

· Contact: Technical Director

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Corr. 1C: Skin corrosion/irritation – Category 1C

