CERTX20

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1 – Identification of the substance

1.1 Product identifier

Product Code: CERTX20

1.2 Relevant identified uses of the substance or preparation

Application of the substance/mixture: Grinding/polishing

2 – Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

This product does not require hazardous labelling according to the CLP regulation.

3 – Composition / Information on ingredients

Chemical characterization: Preparation

Chemical property:

Compound of the substances: rare earth, oxide, fluoride.

4 – First Aid Measures

4.1 Description of first aid measures

General information: No special measures required.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally, the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

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.

5 – Fire Fighting Measures

5.1 Extinguishing media
Suitable extinguishing agents: Use fire-extinguishing methods suitable to surrounding conditions.

5.2 Special hazard arising from the substance or mixture
No further relevant information.

5.3 Advice for firefighters
Protective equipment: Wear suitable PPE

6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Where required wear suitable respiratory protective device against the effects of fume/dust/aerosol.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:
Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

7- Handling and Storage

7.1 Precautions for safe handling
No special measures required.
Information about fire and explosion protection
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Not required.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

8 – Exposure Controls / Personal Protection

8.1 Control parameters:
Occupational exposure limits (OELs)
Restrictions France/ VME: 10mg/m3
Limiting value (USA : ACGIH) TLV (TWA) : 10mg/m3

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Practice good hygiene. Keep away from food and drink. Avoid contact with eyes and skin.
Respiratory protection:
Adequate protection measures must be used to maintain exposure levels below stated limits.
Protection of hands: Wear suitable protection.
Material of gloves:
The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Gloves must comply with the Personal Protective Equipment 89/686/EEC directive.
Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Wear suitable eye protection.

Risk management measures:
It may be necessary to undertake a program of exposure monitoring where practical exposure levels should be controlled using extraction systems.

9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Powder solid	**Upper explosion limits**	Not determined
Color	Red/brown		Not applicable
Odor	Odorless	**Oxidizing properties**	No oxidizing
Odor threshold	Not relevant	**Vapor pressure**	Not applicable
pH value	Not applicable	**Density**	Not determined
Melting point/freezing point	Undetermined	**Relative density**	Not determined
Initial melting point/range	Undetermined	**Vapor density**	Not applicable
Flash point	Not applicable	**Evaporation rate**	Not applicable
Flammability (solid, gas)	Not flammable	**Solubility in / miscibility**	
Ignition temperature	Not applicable	**with water**	Insoluble
Decomposition temperature	Not applicable	**with solvent**	Insoluble
Auto ignition temperature	Not self-igniting	**Partition coefficient**	
Explosive properties	No explosion	**n-octanol/water**	Not relevant
Lower explosion limits	Not applicable	**Viscosity dynamic/Kinematic**	Not applicable

9.2 Other information No further relevant information available.

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.

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: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: 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.

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: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

13 – Disposal Considerations

13.1 Waste treatment methods
Recommendation: Disposal of waste should be undertaken in accordance with appropriate national and local regulations.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14 – Transport information

14.1 UN-Number Not relevant.
ADR, IMDG, IATA Not relevant

14.2 UN proper shimming name Not relevant.

14.3 Transport hazard class(es) Not relevant.

14.4 Packing group Not relevant.

14.5 Environmental hazards Not applicable.

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 None of the ingredients is listed.

National regulations:
Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57
The product does not contain substances of very high concern

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.

Recommended restriction of use: The uses of this product should be confined to those described.