

Safety Data Sheet

according to WHS Regulations

Printing date 27.02.2024

Revision: 27.02.2024

1 Identification

- **Product identifier**
- **Trade name:** Endo-Eze™MTAFlow™ Grey Powder
- **Article number:** SDS 488-001.01R01, 14084, 3980-US
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufactured by NuSmile Ltd for:
Ultradent Products, Inc.
505 W. Ultradent Drive (10200 S)
South Jordan, UT 84095-3942
USA
onlineordersupport@ultradent.com

Ultradent Australia Pty Ltd.
Level 22/2 Market Street
Sydney NSW 2000
Australia
Email: info.anz@ultradent.com
Toll Free: 1-800-290929
- **Further information obtainable from:** Customer Service
- **Emergency telephone number:**
CHEMTREC (NORTH AMERICA) : (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms** GHS05
- **Signal word** Danger
- **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.
 - P260 Do not breathe dusts or mists.
 - P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.
 - P321 Specific treatment (see on this label).
 - P405 Store locked up.

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 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

1314-61-0	Tantalite		<50%
7778-18-9	Calcium Sulfate		<5%
12042-78-3	Tricalcium Aluminate	⚠ Serious eye damage/irritation – Category 2A, H319	<5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **After inhalation:**
Move individual away from exposure into fresh air. If not breathing give artificial respiration. If breathing is difficult, administer oxygen. Keep patient warm.
Get medical attention.
- **After skin contact:**
Immediately flush skin with plenty of cool soapy water. Remove contaminated clothing and wash contact areas thoroughly.
- **After eye contact:**
Immediately flush eyes with plenty of water for 15 minutes, while holding eyelids apart. Remove contact lenses. Do not use eye ointments.
Get medical attention immediately, even if no symptoms.
- **After swallowing:**
If ingestion occurs, flush mouth with water, and drink water or milk. Do not induce vomiting. If vomiting occurs, keep head low.
Get medical attention.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.
- **Indication of any immediate medical attention and special treatment needed**
Seek medical advice after large-scale (>100 gm) exposure.

5 Fire Fighting Measures

- **Suitable extinguishing agents:** Water spray, foam, carbon dioxide, or dry chemical.
- **Special hazards arising from the substance or mixture**
Irritating fumes may be released by thermal decomposition. Fumes of Silicon dioxide may be evolved from material in a fire.
- **Advice for firefighters:** Usual. Avoid inhalation of smoke; use a respirator and protective suit.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Spill/Leak Clean-Up Procedures and Equipment: Wipe up spills with moist rags or vacuum to prevent dust from being dispersed. Discard in trash. Avoid skin contact and inhalation. Dispose of container and unused contents in accordance with federal, state, and local requirements.

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- **Methods and material for containment and cleaning up:** Discard in trash.
- **Reference to other sections**
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**

Powder is caustic. Keep out of eyes, lungs, or contact with mucosal tissues. After incidental contact, wash and rinse with water. Wear suitable gloves and protective glasses during use. Endo-Eze MTAFlow powder must be kept well sealed and free of contamination by pyrogens. Protect the powder from humidity. Be careful not to contaminate the powder with a contaminated instrument. Trained personnel use this product exclusively for dental purposes.

- **Conditions for safe storage, including any incompatibilities** Not applicable

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store at temperatures at room temperature (25C/77F), not refrigerated. Keep bottle tightly closed; material is hydrophilic. Inadequate storage conditions will shorten the shelf life.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

1314-61-0 Tantalite

WES	Long-term value: 5 mg/m ³ dust; as Ta
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7778-18-9 Calcium Sulfate

WES	Long-term value: 10 mg/m ³ inhalable dust
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- **Personal protective equipment:**

- **General protective and hygienic measures:**

Wear gloves as per universal precautions in dentistry. Wash your hands after use. No eating, drinking, or smoking while handling this product. Wash clothing with spills of material on clothing.
 Use liquid to remove dust. Use vinegar to dissolve set material.

- **Respiratory protection:**

Avoid inhalation

Dust mask

Respirator

- **Protection of hands:** Wear latex or nitrile gloves and avoid skin contact.

- **Eye protection:** Wear safety glasses or face shield.

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9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Powder
- **Colour:** Light grey
- **Odour:** None
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 12
- **Change in condition**
- **Melting point/freezing point:** > 700 °C
- **Initial boiling point and boiling range:** > 1,800 °C
- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20 °C:** 3.7 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
- **water:** Soluble.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not applicable.
- **Kinematic:** Not applicable.
- **Other information** No further relevant information available.

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10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under recommended conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** May release silica fumes in a fire.
- **Conditions to avoid:** Moisture will react with powder.
- **Incompatible materials:** Keep dry to avoid reaction with water and setting.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation**
- None.
- Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

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- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **Additional toxicological information:** Toxicity is secondary to effect of caustic powder on moist tissues.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Dispose of contents/container in accordance with international, federal, state, and local regulations.
Do not spread dust. When mixed with water, a solid, non-biodegradable mass will form.
- **Uncleaned packaging:**
- **Recommendation:** None.

14 Transport information

- | | |
|---|-----------------|
| · UN-Number | |
| · ADG, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · ADG, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · ADG, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · ADG, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not Applicable |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

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· **UN "Model Regulation":** not regulated

15 Regulatory information

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

Federal Regulations: Hazard code: Xn (irritant): Components are considered to be hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations (Class D2A, E-Corrosive Material) and subject to the requirement of WHMIS.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A chemical safety assessment has not been carried out.

16 Other information

This information is based on our present knowledge; however, this shall not constitute a guarantee for a specific product features. No toxicity data are available for this specific formulation. This health hazard assessment is based on information that is available for its components.

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.

· **Relevant phrases from Section 3**

H319 Causes serious eye irritation.

· **Department issuing SDS:** Environmental, Health, and Safety

· **Contact:** Customer Service

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

· *** Data compared to the previous version altered.**