

## Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2022



Version number 1

Reviewed on 09/30/2022

### 1 Identification

- **Product identifier**
- **Trade name:** ***NexxZr Shine Polisher Paste***
- **Application of the substance / the mixture**  
Polishing agent/ Burnishing compound  
Auxiliary for dental technology
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Manufacturer:  
Sagemax Bioceramics, Inc.  
34210 9th Avenue South, Suite 118  
Federal Way, WA 98003 USA  
Tel. +1 253-214-0389 / +1 877-386-0389  
Fax +1 888-856-2615
- **Information department:**  
Quality Assurance / Regulatory Affairs  
USA: support@sagemax.com  
EU: info@sagemax.com
- **Emergency telephone number:**  
24 Hour Emergency Assistance:  
Emergency-Call USA - Infotrac: 1-800-535-5053  
Emergency-Call Canada - Canutec: 1-613-996-6666
- General SDS Assistance:  
US: 1-800-533-6825  
Canada: 1-800-263-8182

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Eye Irritation 2A H319 Causes serious eye irritation.  
Carcinogenicity 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**  



GHS07 GHS08
- **Signal word** Warning
- **Hazard statements**  
Causes serious eye irritation.  
Suspected of causing cancer. Route of exposure: Inhalation.
- **Precautionary statements**  
Obtain special instructions before use.  
Wear protective gloves / eye protection / face protection.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If exposed or concerned: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

US

# Safety Data Sheet

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Trade name: **NexxZr Shine Polisher Paste**

(Contd. of page 1)

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

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 2

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = \*2

Fire = 0

Reactivity = 0

· **Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 151-21-3	sodium dodecyl sulphate	<2.5%
CAS: 13463-67-7	titanium dioxide	<2.5%

## 4 First-aid measures

· **Description of first aid measures**· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Rinse with water.· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.· **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## 5 Fire-fighting measures

· **Extinguishing media**· **Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.· **Special hazards arising from the substance or mixture**Carbon dioxide (CO<sub>2</sub>)Sulfur oxides (SO<sub>x</sub>)

(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 10/10/2022

Version number 1

Reviewed on 09/30/2022

Trade name: **NexxZr Shine Polisher Paste**

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.
- **Protective Action Criteria for Chemicals**

#### · PAC-1:

CAS: 151-21-3	sodium dodecyl sulphate	3.9 mg/m <sup>3</sup>
CAS: 13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>

#### · PAC-2:

CAS: 151-21-3	sodium dodecyl sulphate	43 mg/m <sup>3</sup>
CAS: 13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>

#### · PAC-3:

CAS: 151-21-3	sodium dodecyl sulphate	260 mg/m <sup>3</sup>
CAS: 13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Only adequately trained personnel should handle this product.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Usual hygienic measures for dental practice and dental laboratories.  
Keep away from foodstuffs, beverages and feed.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 10/10/2022

Version number 1

Reviewed on 09/30/2022

Trade name: **NexxZr Shine Polisher Paste**

(Contd. of page 3)

Wash hands before breaks and at the end of work.

- **Breathing equipment:** Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Protection of hands:** Not required.
- **Material of gloves -**
- **Penetration time of glove material -**
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Pasty
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

· pH-value:	Not determined.
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#### · Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· Flash point:	Not applicable.
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· Flammability (solid, gaseous):	Not applicable.
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· Decomposition temperature:	Not determined.
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· Auto igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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#### · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure:	Not determined.
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· Density:	Not determined.
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· Relative density	Not determined.
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· Vapor density	Not determined.
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· Evaporation rate	Not determined.
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#### · Solubility in / Miscibility with

Water:	Slightly soluble.
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· Partition coefficient (n-octanol/water):	Not determined.
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#### · Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

#### · Solvent content:

VOC content:	0.00 %
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(Contd. on page 5)

US

# Safety Data Sheet

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Printing date 10/10/2022

Version number 1

Reviewed on 09/30/2022

Trade name: **NexxZr Shine Polisher Paste**

(Contd. of page 4)

· **Other information**

No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal handling and storage conditions.
- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions** Reacts with oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None under normal conditions of storage and use.

### 11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

CAS: 151-21-3 sodium dodecyl sulphate

Oral LD50 1288 mg/kg (rat)

· **Specific symptoms in biological assay:**· **on the eye:** Irritating effect.· **Additional toxicological information:**· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

CAS: 13463-67-7 titanium dioxide

2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

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

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

(Contd. on page 6)

US

## Safety Data Sheet

### acc. to OSHA HCS

Printing date 10/10/2022

Version number 1

Reviewed on 09/30/2022

**Trade name: NexxZr Shine Polisher Paste**

(Contd. of page 5)

 · **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

 · **Waste treatment methods**

 · **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

 · **Uncleaned packagings:**

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

### 14 Transport information

 · **UN-Number**

 · **DOT, ADR/RID/ADN, IMDG, IATA** Void

 · **UN proper shipping name**

 · **DOT, ADR/RID/ADN, IMDG, IATA** Void

 · **Transport hazard class(es)**

 · **DOT, ADR/RID/ADN, ADN, IMDG, IATA**

 · **Class** Void

 · **Packing group**

 · **DOT, ADR/RID/ADN, IMDG, IATA** Void

 · **Environmental hazards:** Not applicable.

 · **Special precautions for user** Not applicable.

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

 · **Transport/Additional information:** Product is not classified as a dangerous good for transport (ADR, IMDG, IATA).

 · **UN "Model Regulation":** Void

### 15 Regulatory information

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

No further relevant information available.

 · **Sara**

 · **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

 · **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

 · **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

 · **Hazardous Air Pollutants**

None of the ingredients is listed.

(Contd. on page 7)

# Safety Data Sheet

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Version number 1

Reviewed on 09/30/2022

Trade name: **NexxZr Shine Polisher Paste**

(Contd. of page 6)

· **Proposition 65**· **Chemicals known to cause cancer:**

CAS: 13463-67-7 titanium dioxide

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

CAS: 13463-67-7 titanium dioxide

A4

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

CAS: 13463-67-7 titanium dioxide

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Warning· **Hazard statements**

Causes serious eye irritation.

Suspected of causing cancer. Route of exposure: Inhalation.

· **Precautionary statements**

Obtain special instructions before use.

Wear protective gloves / eye protection / face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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

· **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 any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**· **Date of preparation / last revision** 10/10/2022 / -· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

(Contd. on page 8)

US

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**Trade name: NexxZr Shine Polisher Paste**

(Contd. of page 7)

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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Carcinogenicity 2: Carcinogenicity – Category 2

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