

SAFETY DATA SHEETS

This SDS packet was issued with item:

071288232

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

071288034 071288109 071288125 071288158 071288182 071288240 071289339 071289503 071289511 071289545
071289701 071289826 071289867 071289909 071289917 071290113 071290121 071318393 071318401 071318419
071318450 071318468 071318476 071318484 071318526 071318534 071318542 071318559 071318567 071318773
071318807 071318815 071318864 071318872 071318880 071318930 071318955 071318963 071319151

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071289537 071289784

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.*

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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:**CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.· **Special hazards arising from the substance or mixture**Carbon dioxide (CO₂)Sulfur oxides (SO_x)

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- **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 ³
CAS: 13463-67-7	titanium dioxide	30 mg/m ³

· PAC-2:

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

· PAC-3:

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

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.

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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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· **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.

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· **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.

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· **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

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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

US