

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Surpass® 1

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Dental product, dental adhesive for use by Dental professionals.

1.3. Supplier

Inter-Med, Inc. / Vista Dental Products
2200 South Street
Racine, WI 53404
T: (877)-418-4782

1.4. Emergency telephone number

Emergency number : 800-424-9300 (North America) / +1 (703) 527-3887 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corrosive:	Category 1 H314
Serious Eye Damage/Irritation:	Category 1 H318
Skin Sensitizer:	Category 1
Flammable Liquid:	Category 4 H227
Acute Toxicity:	Category 4 H302 H311, H332
Oxidizing Liquid:	Category 3 H272

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Corrosive

Hazard statements (GHS US) :

H314 – Causes severe skin burns and eye damage

Precautionary statements (GHS US) :

P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves, eye protection
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
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
P363 - Wash contaminated clothing before reuse
P501 - Dispose in a safe manner in accordance with local/national regulations.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None

2.4. Unknown acute toxicity (GHS US)

None

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	GHS-US classification
Nitric Acid	(CAS-No.) 7697-37-2	0% – 25%	Ox. Liq. 3, H272 Skin Corr. 1A, H314 Eye Dam. 1, H318
Methacrylic Acid	(CAS-No.) 79-41-4	0% – 25%	Flam. Liq. 4, H227 Acute Tox. 4, H302, H311, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318
Succinic Acid	(CAS-No.) 110-15-6	0% – 25%	Eye Dam. 1, H318
Water	(CAS-No.) 7732-18-5	5% - 95%	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Provide fresh air and rest
- First-aid measures after skin contact : Flush with copious amounts of water
- First-aid measures after eye contact : In case of eye contact, immediately flush with running water for a minimum of 15 minutes. Seek medical advice/attention.
- First-aid measures after ingestion : Drink 2 or more glasses of water or milk, seek medical attention. Do not induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : Causes severe burns.
- Symptoms/effects after eye contact : Causes serious eye damage.

4.3. Immediate medical attention and special treatment, if necessary

None

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide.
- Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

- Fire hazard : Upon combustion, irritating gases may form.
- Explosion hazard : No direct explosion hazard.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : None known.
- Protection during firefighting : None known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate all unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Contain spill. Clean up with damp cloth.
- Other information : Dispose of materials immediately.

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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. If clothing becomes contaminated, wash prior to reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Comply with applicable regulations. Store in a well-ventilated location. Keep cool. Keep container closed when not in use. Do not store in direct sunlight.
- Incompatible materials : Do not store with strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components listed in Section 3 and not listed below do not have an established occupational exposure limit.

Ingredient	CAS Number	Agency	Limit Type
Nitric Acid	7697-37-2	ACGIH	2 ppm (5.2 mg/m ³) TWA 4 ppm (10 mg/m ³) TWA
Nitric Acid	7697-37-2	OSHA	2 ppm (5.2 mg/m ³) TWA
Methacrylic Acid	79-41-4	ACGIH	20 ppm TWA
Methacrylic Acid	79-41-4	OSHA	

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear protective gloves.

Eye protection:

Wear protective eyewear.

Skin and body protection:

Avoid contact, if contact does occur rinse with copious amounts of water.

Respiratory protection:

Avoid prolonged breathing of vapors.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Clear, thin material
- Appearance : Clear
- Color : Clear
- Odor : No distinct odor
- Odor threshold : No data available
- pH : 0.6

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Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: > 100 °C (212 °F)
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.0
Solubility	: Soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions. Avoid high temperatures and basic (pH above 8) materials.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

High temperatures, direct sunlight, poorly ventilated areas.

10.5. Incompatible materials

Strong bases.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Device is a strong acid but not deemed toxic. It is to be used only as directed, with personal protective equipment and by licensed dental professionals.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : Not determined
Aquatic Toxicity : Do not introduce into sewers or drains.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Follow local law and regulations for disposal of this material. If none exist follow state or regional laws and regulations

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

UN-No.(DOT) : 1760
Proper Shipping Name (DOT) : Corrosive liquid
Transport hazard class(es) : Primary hazard class/division: 8
Packing group (DOT) : Packing Group: III
Environmental hazards : Not applicable
ADR – road, Not applicable
RID – rail, Not applicable
IMDG – sea, Not applicable
IATA – air, Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and IBC Code : Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Contact Vista Dental Products for additional information.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 22 May 2019

Full text of H-phrases:

H314	Causes severe skin burns and eye damage
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product