

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12 September 2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Trade name	: Purify +
1.2. Recommended use and restrictio	ns on use
Use of the substance/mixture	: Removes contaminants from the surface of a tooth prior to bonding
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	on
2.1. Classification of the substance o	
GHS US classification	Courses alia initiation
Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, Category	Causes skin irritation. 1 Causes serious eve damage.
Skin sensitization, Category 1	May cause an allergic skin reaction.
2.2. GHS Label elements, including p	recautionary statements
GHS US labelling Hazard pictograms (GHS US)	
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: Causes skin irritation.
	May cause an allergic skin reaction.
	Causes serious eye damage.
Precautionary statements (GHS US)	 Avoid breathing vapors, mist. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace Wear protective gloves, eye protection. If on skin: Wash with plenty of water IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. Dispose of contents/container to a hazardous or special waste collection point
2.3. Other hazards which do not resul	t in classification
No additional information available	נוח טומספוועמוועוו
2.4. Unknown acute toxicity (GHS US	
Not applicable	
SECTION 3: Composition/informat	tion on ingredients
3.1. Substances	
Not applicable	
3.2. Mixtures	

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Name	Product identifier	%	GHS US classification
2-hydroxyethyl methacrylate	(CAS-No.) 868-77-9	1 - 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Propan-2-ol	(CAS-No.) 67-63-0	1 - 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Nitric acid	(CAS-No.) 7697-37-2	0.5 - 3	Ox. Liq. 3, H272 Skin Corr. 1A, H314 Eye Dam. 1, H318

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	: Remove person to fresh air and keep comfortable for breathing. Give artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse immediately with plenty of water for 15 minutes. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effects	(acute and delayed)
Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
4.3. Immediate medical attention and spec	ial treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishin	a media
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Specific hazards arising from the cher	
Fire hazard	: On combustion, forms: carbon oxides (CO and CO2).
5.3. Special protective equipment and pre-	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measu	ires
6.1. Personal precautions, protective equi	
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
Emergency procedures	. L'vacuale unificiessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify a	uthorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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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. Avoid contact with eyes. Wear personal protective equipment. Avoid breathing vapors, mist.		
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.		
7.2. Conditions for safe storage, including any incompatibilities			
Storage conditions	: Store in a well-ventilated place. Keep cool.		

Incompatible materials

: None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Nitric acid (7697-37-2)			
ACGIH	Local name	Nitric acid	
ACGIH	ACGIH TWA (ppm)	2 ppm	
ACGIH	ACGIH STEL (ppm)	4 ppm	
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; dental erosion	
ACGIH	Regulatory reference	ACGIH 2019	
OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³	
OSHA	OSHA PEL (TWA) (ppm)	2 ppm	
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
IDLH	US IDLH (ppm)	25 ppm	
NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³	
NIOSH	NIOSH REL (TWA) (ppm)	2 ppm	
NIOSH	NIOSH REL (STEL) (mg/m ³)	10 mg/m ³	
NIOSH	NIOSH REL (STEL) (ppm)	4 ppm	
2-hydroxyethyl me	thacrylate (868-77-9)		
Not applicable			
Propan-2-ol (67-63	-0)		
ACGIH	Local name	2-Propanol	
ACGIH	ACGIH TWA (ppm)	200 ppm	
ACGIH	ACGIH STEL (ppm)	400 ppm	
ACGIH	Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: End of shift at end of workweek - Notations: B, Ns	
ACGIH	Regulatory reference	ACGIH 2019	
OSHA	OSHA PEL (TWA) (mg/m ³)	980 mg/m ³	
OSHA	OSHA PEL (TWA) (ppm)	400 ppm	
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
NIOSH	NIOSH REL (TWA) (mg/m ³)	980 mg/m³	
NIOSH	NIOSH REL (TWA) (ppm)	400 ppm	
NIOSH	NIOSH REL (STEL) (mg/m ³)	1225 mg/m ³	
NIOSH	NIOSH REL (STEL) (ppm)	500 ppm	

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8.2.	Appropriate engineering controls	
Appro	priate 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.
Enviro	onmental exposure controls	: Avoid release to the environment.
8.3.	Individual protection measures/Pers	sonal protective equipment

Hand protection:

Impermeable protective gloves

Eye protection:

Safety glasses with side shields

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: gel.	
Color	: Colorless	
Odor	: Characteristic	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: <0°C	
Freezing point	: No data available	
Boiling point	: > 100 °C	
Flash point	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Flammability (solid, gas)	: Not applicable.	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 1	
Solubility	: No data available	
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	
Explosive 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

No dangerous reactions known under normal conditions of use.

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10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. On combustion, forms: carbon oxides (CO and CO2).

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)
Nitric acid (7697-37-2)	
LC50 inhalation rat (ppm)	2500 ppm/1h
ATE US (gases)	1250 ppmv/4h
Propan-2-ol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	12870 mg/kg
LC50 inhalation rat (mg/l)	> 30 mg/l/4h
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
	Not classified (Based on available data, the classification criteria are not met)
Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	No data available
Symptoms/effects after inhalation :	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact :	Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact :	Causes serious eye damage.
Symptoms/effects after ingestion	May cause irritation to the digestive tract.
Other information :	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological in	nformation	
12.1. Toxicity		
Ecology - general	: This material has not been tested for environmental effects.	
Propan-2-ol (67-63-0)		
LC50 fish 1	9640 mg/l Pimephales promelas	
EC50 Daphnia 1	10000 mg/l	

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Propan-2-ol (67-63-0)			
EC50 other aquatic organisms 1	1050 mg/l Bacteria		
12.2. Persistence and degradability			
Purify +			
Persistence and degradability	Not established.		
Propan-2-ol (67-63-0)			
Persistence and degradability	Readily biodegradable.		
12.3. Bioaccumulative potential Purify +			
Bioaccumulative potential	Not established.		
Nitric acid (7697-37-2)			
Log Pow	-2.3 (at 25 °C)		
12.4. Mobility in soil			
No additional information available			
12.5. Other adverse effects			
Other information :	Avoid release to the environment.		
SECTION 13: Disposal considerations			
13.1. Disposal methods			
	Dispose in a safe manner in accordance with local/national regulations.		
Ecology - waste materials :	Avoid release to the environment.		
SECTION 14: Transport information			
Department of Transportation (DOT)			
In accordance with DOT			
Net regulated			
Not regulated			
Transportation of Dangerous Goods			
Not regulated			
Transport by sea			
Transport by sea			
Not regulated			
Air transport			
Not regulated			
Not regulated			
SECTION 15: Regulatory information			
15.1. US Federal regulations			
Nitric acid (7697-37-2)			
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory		
Subject to reporting requirements of United States SARA Section 313			
CERCLA RQ	1000 lb		
Section 302 EPCRA Reportable Quantity (RQ)	1000 lb		
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb		
2-hydroxyethyl methacrylate (868-77-9)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			

15.2. International regulations

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Nitric acid (7697-37-2)	
Listed on the Canadian DSL (Domestic Substances List)	
2-hydroxyethyl methacrylate (868-77-9)	
Listed on the Canadian DSL (Domestic Substances List)	

EU-Regulations

Nitric acid (7697-37-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Nitric acid (7697-37-2)

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Japanese Poisonous and Deleterious Substances Control Law

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Other information

: None.

Full text of H-statements:

Highly flammable liquid and vapor.		
May intensify fire; oxidizer.		
Causes severe skin burns and eye damage.		
Causes skin irritation.		
May cause an allergic skin reaction.		
Causes serious eye damage.		
Causes serious eye irritation.		
May cause drowsiness or dizziness.		

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.