

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072679116

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

072679132

**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).**

072679124 072679157 072679603



# SAFETY DATA SHEET

Issuing Date 28 May-2015

Revision Date 28-May-2015

ECR# 23578

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name Tenure Unibond Part A

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Vital teeth bleaching

Uses advised against No information available

### Supplier's details

#### Supplier Address

DenMat  
1017 W. Central Ave.  
Lompoc, CA 93436  
TEL: 805-346-3700

#### Manufacturer Address

DenMat  
1017 W. Central Ave.  
Lompoc, CA 93436  
TEL: 805-346-3700

### Emergency telephone number

Emergency Telephone Number 805-346-3700

## 2. HAZARDS IDENTIFICATION

### Classification

Corrosive to metals	Category 1
Acute oral toxicity	Category 4
Skin Corrosion	Category 1B
Serious Eye Damage/Eye Irritation	Category 1

### GHS Label elements, including precautionary statements

### Emergency Overview

Signal Word Danger

Hazard Statements

- May be corrosive to metals
- Harmful if swallowed
- Causes severe skin burns and eye damage
- Causes serious eye damage.
- May cause respiratory irritation.

**Appearance** Colorless**Physical State** Liquid.**Odor** unpleasant/ester-like**Precautionary Statements****Prevention**

- Wear eye/face protection
- Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash skin thoroughly after handling
- Use only outdoors or in a well-ventilated area

**General Advice**

- None

**If Swallowed**

- Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

**If in Eyes**

- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

**If on Skin**

- Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Storage**

- None

**Disposal**

- None

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Prolonged or repeated skin contact may cause severe irritation.  
17.2% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Phosphoric acid 2-hydroxyethyl methacrylate ester	52628-03-2	90 - 100	*
Ortho phosphoric acid	7664-38-2	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if irritation persists.
Skin Contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Inhalation	Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately.
Ingestion	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Protection of First-aiders	Use personal protective equipment.

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** Serious eye irritation or damage.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

##### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Oxides of phosphorous

##### Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

##### Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with the skin and the eyes. Wash thoroughly after handling. Refer to Section 8 for personal protective equipment.

##### Environmental Precautions

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for Cleaning Up** Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

**Incompatible Products** Strong reducing agents. Metals.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric acid 7664-38-2	TWA: 1 mg/m <sup>3</sup> mist STEL: 3 mg/m <sup>3</sup>	-	TWA: TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

*Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** If splashes are likely to occur, wear: Safety glasses with side-shields.  
**Skin and Body Protection** Protective gloves.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Colorless
Odor	Mint/Fruit	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	145 °C	Open cup
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.37	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	Insoluble	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties	Not flammable
Explosive Properties	No data available
Oxidizing Properties	No data available

### Other information

VOC Content (%)	Not applicable.
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## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

**Incompatible materials**

Strong bases, Powdered metals, Strong oxidizing agents

**Hazardous decomposition products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes.
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**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Corrosivity</b>	Causes serious eye irritation. Risk of serious damage to eyes.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	Multiple mutagenicity studies of tooth whiteners containing hydrogen peroxide or urea hydrogen peroxide did not show mutagenic effects.
<b>Carcinogenicity</b>	Contains no ingredients above reportable quantities listed as a carcinogen.
<b>Reproductive Toxicity</b>	Not classified due to lack of data.
<b>Developmental Toxicity</b>	Not classified due to lack of data.
<b>STOT - single exposure</b>	None under normal use conditions.
<b>STOT - repeated exposure</b>	None under normal use conditions.
<b>Chronic Toxicity</b>	Avoid repeated exposure. Prolonged exposure may cause chronic effects.
<b>Target Organ Effects</b>	Eyes. Gastrointestinal tract (GI). Mucous membrane.
<b>Aspiration Hazard</b>	No information available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No information available.

**Persistence and Degradability****Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

**14. TRANSPORT INFORMATION**

**DOT** UN number: 3265 Class: 8 Packing group: II  
Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (Phosphoric acid 2-hydroxyethyl methacrylate ester, Phosphoric acid)  
Reportable Quantity (RQ):  
Poison Inhalation Hazard: No

**IATA** UN number: 3265 Class: 8 Packing group: II  
Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (Phosphoric acid, Phosphoric acid 2-hydroxyethyl methacrylate ester)

**IMDG/IMO** UN number: 3265 Class: 8 Packing group: II EMS-No: F-A, S-B  
Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Phosphoric acid, Phosphoric acid 2-hydroxyethyl methacrylate ester)

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Substances comply or are exempt
<b>ENCS</b>	Substances comply or are exempt
<b>IECSC</b>	Substances comply or are exempt
<b>KECL</b>	Substances comply or are exempt
<b>PICCS</b>	Substances comply or are exempt
<b>AICS</b>	Substances comply or are exempt

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.



**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid	X	X	X
Phosphoric acid 2-hydroxyethyl methacrylate ester	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard	3	Flammability	1	Instability	0	Physical and Chemical Hazards - 0
<b><u>HMIS</u></b>	Health Hazard	3	Flammability	1	Physical Hazard	0	Personal Protection X

Revision Date

28-May-2015

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**