



Material Safety Data Sheet  
**HEMASEAL & CIDE DESENSITIZER**

**1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

**HEMASEAL & CIDE DESENSITIZER**

**MANUFACTURED FOR:**

Advantage Dental Products, Inc.  
4498 Klais Dr.  
Clarkston, MI 48348

**FOR INFORMATION CALL:**  
(800) 388-6319 or (248) 391-1625

**EMERGENCY TELEPHONE:**

ChemTel, Inc. (United States/ Canada) 1-800-255-3924  
(International) 813-248-0585 (consult operator for dialing United States from overseas)



Description: DESENSITIZING AGENT  
Physical Form: LIQUID  
NFPA Profile: HEALTH 1  
FLAMMABILITY 1  
INSTABILITY/REACTIVITY 0

Color: CLEAR  
Odor: PLEASANT ODOR

*Note: NFPA = National Fire Protection Association*

**2. CHEMICAL COMPONENTS**

2-HYDROXYETHYLMETHACRYLATE  
CHLORHEXIDINE DIGLUCONATE

CAS Number: 868-77-9  
CAS Number: 18472-51-0

EC Number: 212-782-2  
EC Number: 252-354-0

*This is not a hazardous material as defined in the OSHA Hazard Communication Standard - Substance non-classified according to Directive 67/548/EEC.*

**3. EFFECTS OF OVEREXPOSURE**

**Acute Effects**

Eye: Moderate irritation, tearing, and pain may occur.

Skin: Irritation may occur from exposure to material; this is more likely with prolonged or chronic exposure.

Inhalation: Irritation and coughing may occur.

Oral: Headaches, dizziness, nausea, vomiting, unconsciousness

**Prolonged/Repeated Exposure Effects**

Skin/Eyes: See above.

Inhalation: See above

Oral: See above

Signs and Symptoms of Overexposure: See Acute Effects Sections.

Medical Conditions Aggravated by Exposure: Respiratory conditions, skin disorders.

*The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.*

**4. FIRST AID MEASURES**

Eye: Flush eyes with running water for at least 15 minutes, while keeping the eyelids wide open.

Skin: Wash affected areas with soap and water. Seek medical help for severe or persistent irritation.

Inhalation: Remove patient to fresh air; seek medical attention for serious or persistent symptoms.

Oral: Give water if patient is conscious and alert, then seek immediate medical assistance.

Comments: Treat symptomatically.



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**5. FIRE FIGHTING MEASURES**

Flash Point: Not Determined

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Extinguishing Media: Choose media to fight surrounding fire, no restriction on media selection.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Vapor buildup may lead to flashback; use of water fog to avoid flash fires is advisable.

Unusual Fire Hazards: May form explosive vapors which can travel along ground (flashback)

Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds, soot/smoke.

**6. ACCIDENTAL RELEASE MEASURES**

Containment/Clean up: Spilled material can be a slipping hazard. Observe all personal protection equipment recommendations described in Sections 5 and 8. Use absorbent cloth for small spills, while an absorbent material like clay is advised for large spills. Treated absorbed material as flammable. Small quantities remaining after cleanup may be washed with soap and water. Place material into a closed and labeled container. Prevent discharges into the environment (sewers, rivers, soils, etc.). For disposal methods, refer to section 13. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements. *Note: See section 8 for Personal Protective Equipment for Spills.*

**7. HANDLING AND STORAGE**

Avoid heating the product above 40°C. Keep container closed and store in cool, dark, dry place. Keep away from ignition and heat sources. No open flames or sparks – no smoking. Avoid formation of vapors. Follow the protective measures given in section 8.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Component Exposure Limits**

There are no components with workplace exposure limits.

**Engineering Controls**

Local Ventilation: Normal ventilation should be acceptable..

General Ventilation: Recommended.

**Personal Protective Equipment for Routine Handling**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Avoid contact with material – apron may be needed.

Suitable Gloves: Protective gloves.

Inhalation: Needed if respiratory irritation occurs.

Suitable Respirator: Not normally needed – use organic vapor respirator if irritation occurs.

**Personal Protective Equipment for Spills**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wear PPE that prevents skin contact. Protective gloves as a minimum are needed.

Inhalation/Suitable Respirator: Use organic vapor respirator for large spills or if irritation occurs

Precautionary Measures: Avoid eye and skin contact with product. Use reasonable care.

*Note: These precautions are for normal handling of small quantities – handling of large bulk quantities may require extra Personal protective equipment.*



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form: Liquid

Odor: Pleasant Odor

Specific Gravity @ 25°C: 1.03

Viscosity: Not determined.

Freezing/Melting Point: Not determined.

Boiling Point/Range: Not determined.

Vapor Pressure @ 25°C: Not determined..

Volatile Content: Not determined.

Solubility (Water): Soluble

Solubility (Solvents): Expected to be soluble in alcohols

*Note: The above information is not intended for use in preparing product specifications.*

Color: Clear

Reactivity in Water: None

Oxidizing Properties: None

Explosive Properties: Dust explosion possible

pH: Not Determined.

Vapor Density: >1 (Air = 1)

Evaporation Rate: >1 (Butyl Acetate = 1)

**10. STABILITY AND REACTIVITY**

Chemical Stability: Normally Stable; Potential instability at elevated temperatures (See section 5).

Hazardous Polymerization: None

Conditions to Avoid: Elevated temperatures to cause decomposition, formation of dust clouds.

Materials to Avoid: Reducing and oxidizing agents, Ultraviolet light.

**11. TOXICOLOGICAL INFORMATION**

**Special Hazard Information on Components:**

2-HYDROXYETHYLMETHACRYLATE Acute oral toxicity (LD<sub>50</sub>): 3275 mg/kg [Mouse].

CHLORHEXIDINE DIGLUCONATE Acute oral toxicity (LD<sub>50</sub>): 1260 mg/kg [Mouse].

**Potential Acute Health Effects:** See Section 3.

**Potential Chronic Health Effects:** None

**Signs and Symptoms of Exposure:** Transient respiratory and eye irritation.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory and skin disorders.

**Carcinogenic or Potential Carcinogenic Effects:** No ingredient listed as a carcinogen.

**Other Potential Health Effects:** None known.

**12. ECOLOGICAL INFORMATION**

**Environmental Effects:** Product may be harmful to aquatic environments; avoid discharging large quantities of product into sewers and the general environment (lakes, rivers, ponds, soil, etc.)

**13. DISPOSAL CONSIDERATIONS**

**RCRA Hazard Class (40 CFR 261) - None**

**Waste Disposal:** Send product to either an industrial waste incinerator or industrial landfill. Dispose of in accordance with all federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**DOT Road Shipment Information (49 CFR 172.101)**

Not subject to DOT.

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**15. REGULATORY INFORMATION**

*Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.*

**TSCA Status:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**EPA SARA Title III Chemical Listings**

**Section 302 Extremely Hazardous Substances:** None. **Section 304 CERCLA Hazardous Substances:** None.

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**15. REGULATORY INFORMATION Continued**

**Section 312 Hazard Class:** Acute: Yes Chronic: No Fire: Yes  
Pressure: No Reactive: No

**Section 313 Toxic Chemicals:** None present or none present in regulated quantities.

**Supplemental State Compliance Information****California**

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

**None known.**

**Massachusetts**

No ingredient regulated by MA Right-to-Know Law present.

**Minnesota**

No ingredient regulated by MN Right-to-Know Law present.

**New Jersey**

No ingredient regulated by NJ Right-to-Know Law present.

**Pennsylvania**

No ingredient regulated by PA Right-to-Know Law present.

**Canada Information****WHMIS Classification D2-B: Materials Causing Other Toxic Effects**

Components are listed on the Canadian Domestic Substances List.

**EU Information – R and S Phrases, EEC Symbols**

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition — No smoking.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**EU/EEC SYMBOL - Irritant**



**GHS SYMBOL - Irritant**

**16. OTHER INFORMATION**

**Prepared by:** ChemTel Inc.  
1305 N Florida Ave.  
Tampa, FL 33602



Tel 888-255-3924 (USA/Canada) or 813-248-0573 (International)

*Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.*