

SAFETY DATA SHEETS

This SDS packet was issued with item:

071044239

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).

071044221



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

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 (LD₅₀): 3275 mg/kg [Mouse].
CHLORHEXIDINE DIGLUCONATE Acute oral toxicity (LD₅₀): 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.

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Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

1 Identification

- **Product identifier**
- **Trade name:** Hemaseal & Cide Desensitizer
- **Article number:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Auxiliary for dental technology
- **Restrictions on use:** No further relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
 Advantage Dental Products, Inc.
 P.O. Box 415
 Lake Orion, MI 48361
 (800) 388-6319
- **Emergency telephone number:**
 ChemTel Inc.
 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Additional information:**

There are no other hazards not otherwise classified that have been identified.
 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

-
- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

2-hydroxyethyl methacrylate

- **Hazard statements**

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.

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Trade name: Hemaseal & Cide Desensitizer

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· **Precautionary statements**

- P260 Do not breathe mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves and eye protection.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362 Take off contaminated clothing and wash before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P302+P352 If on skin: Wash with plenty of water.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazard description:**· **WHMIS-symbols:**

D2B - Toxic material causing other toxic effects

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 2
 Fire = 1
 Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 2
 Fire = 1
 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:**

868-77-9	2-hydroxyethyl methacrylate	20-40%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	

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18472-51-0	D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1)	1-5%
	⚠ Eye Irrit. 2A, H319	

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately rinse with water.
If skin irritation or rash occurs: Get medical advice/attention.
- **After eye contact:**
Protect unharmed eye.
Remove contact lenses if worn, if possible.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** Allergic reactions
- **Danger** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water fog.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Dilute with plenty of water.

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Trade name: Hemaseal & Cide Desensitizer

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- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Use only in well ventilated areas.
Avoid splashes or spray in enclosed areas.
- **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 in cool, dry place.
Provide ventilation for receptacles.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Engineering controls:** No further relevant information available.
- **Breathing equipment:**
Not required under normal conditions of use.
Use suitable respiratory protective device when high concentrations are present.

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For large spills, respiratory protection may be advisable.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment** Avoid release to the environment.

· **Risk management measures** See Section 7 for additional information.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid

Color: Clear

· **Odor:** Pleasant

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

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Trade name: Hemaseal & Cide Desensitizer

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- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.03 g/cm³ (8.595 lbs/gal)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** Not determined.
 - Solids content:** Not determined.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
 - Reacts with oxidizing agents.
 - Reacts with reducing agents.
 - Reacts with peroxides and other radical forming substances.
 - Reacts with strong acids and alkali.
- **Conditions to avoid**
 - Store away from oxidizing agents.
 - Keep away from heat and direct sunlight.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides (NOx)
 - Halogenated hydrocarbons
 - Danger of toxic pyrolysis products.

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Trade name: Hemaseal & Cide Desensitizer

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11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
Harmful
Irritant
Contains 2-hydroxyethyl methacrylate. May produce an allergic reaction.
- **Carcinogenic categories**

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Probable Routes of Exposure

Ingestion.
Inhalation.
Eye contact.
Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):** None.
- **Repeated Dose Toxicity:** Repeated exposures may result in skin and/or respiratory sensitivity.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** The material is harmful to the environment.
- **Persistence and degradability** The product is biodegradable after prolonged adaptation.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
This statement was deduced from the properties of the single components.
This statement was deduced from products with a similar structure or composition.
The product may not be released into the environment without control.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· DOT, ADR, ADN, IMDG, IATA

Not Regulated

· **UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA

Not Regulated

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· **Class**

Not Regulated

· **Packing group**

· DOT, ADR, IMDG, IATA

Not Regulated

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

-

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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Trade name: Hemaseal & Cide Desensitizer

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- **Proposition 65 (California)**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are 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.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **State Right to Know Listings**

None of the ingredients is listed.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

868-77-9 | 2-hydroxyethyl methacrylate

- **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.

- **Date of preparation / last revision** 05/04/2015 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

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Reviewed on 05/04/2015

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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)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Sources

SDS Prepared by:

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