

## **SAFETY DATA SHEETS**

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

071709377

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

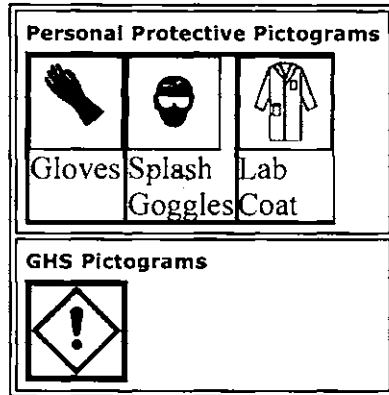
071708908 071708916

**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).**

071707587 071707595 071707603 071707611 071707629 071707637 071707645 071707652 071707660 071707678  
071708221 071708239 071708247 071708254 071708262 071708270 071708288 071708296 071708304 071708312  
071708320 071708338 071708346 071708353 071708361 071708379 071708387 071708395 071708403 071708411  
071708429 071708437 071708445 071708452 071708460 071708478 071708486 071708494 071708502 071708510  
071708528 071708536 071708924 071708932 071708940 071708957 071708965 071708973 071708981 071708999  
071709005 071709013 071709021 071709153 071709161 071709179 071709187 071709195 071709203 071709211  
071709229 071709245 071709252 071709260 071709278 071709286 071709294 071709302 071709310 071709328  
071709336 071709344 071709351 071709369 071709534 071709542 071709559 071709567 071709575 071709583  
071709591 071709609 071709617 071709625 071709633 071709641 071709658 071709666 071709674 071709682  
071709690 071709708 071709716 071709724 071709732 071709740 071709757 071709765 071709773 071709781  
071709799 071709807 071709815 071709823 071709831 071709849

ACTIO MSDS ID: 956705

**View Section :** [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)



**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

530699

Product Name: **Esthet•X HD**  
 Manufacturer MSDS.: 530699  
 Address: 38 West Clarke Avenue  
 Milford DE 19963-1805  
 Emergency Telephone Number:  
 (302) 422-4511 (8:00 AM - 4:30 PM Eastern Time)  
<http://www.caulk.com>  
<http://www.dentsply.com>

**NFPA**

General Use: (For Canada): Light Curing Composite/Dental Filling Material  
 Business Phone: (302) 422-4511  
 Hours Of Operation: (8:00 AM - 4:30 PM Eastern Time)  
 Revision Date: 05/17/10  
 Trade Names: Substance Identity:  
 Esthet•X® HD High Definition Micro Matrix Restorative  
 NFPA Hazard Classification Ratings (Scale 0-4)  
 Grades or Minor Variant Identities:  
 Not Applicable  
 Product Codes: 530699

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[To Top of page](#)



**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

530699

Ingredient Name	CAS#	Ingredient Percent
Hydrophobic Amorphous Fumed Silica	68611-44-9	< 5%
Hazardous:	Yes	
EC Index Number:	1	
Other Exposure Guidelines:	10 mg/m3	
Silica (Amorphous)	67762-90-7	< 5%
Hazardous:	Yes	

EC Index Number: 1  
Other Exposure Guidelines: 3 mg/m3

Barium boron fluoro alumino silicate glass 65997-18-4 < 30%  
Hazardous: Yes  
EC Index Number: 1  
Other Exposure Guidelines: 10 mg/m3

Barium boron alumino silicate glass 65997-17-3 < 50%  
Hazardous: Yes  
EC Index Number: 1  
Other Exposure Guidelines: 10 mg/m3

Urethane modified Bis-GMA dimethacrylate 126646-17-1 < 10%  
Hazardous: Yes  
EC Index Number: 1  
Other Exposure Guidelines: Not Established

Polymerizable dimethacrylate resins 109-16-0 < 20%  
Hazardous: Yes  
EC Index Number: 1  
Other Exposure Guidelines: Not Established

Polymerizable dimethacrylate resins 24448-20-2 < 20%  
Hazardous: Yes  
EC Index Number: 1  
Other Exposure Guidelines: Not Established

Other Information: Colorants are inorganic iron oxides and titanium dioxide.

[To Top of page](#)



### SECTION 3 : HAZARDS IDENTIFICATION

530699

Emergency Overview: WARNING  
MAY CAUSE AN ALLERGIC SKIN REACTION  
Wash hands thoroughly after handling.  
Wear protective gloves.

#### **Applies to All Ingredients :**

Target Organs: Eye: Not Applicable  
Skin: Not Applicable  
Inhalation: Not Applicable  
Ingestion: Not Applicable  
Mucosa: Not Applicable

Signs/Symptoms: Eye: Material can cause irritation.  
Skin: Material may be an irritant  
Inhalation: Not Applicable  
Ingestion: Material is not harmful if swallowed using clinically relevant quantities  
Mucosa: Material can cause irritation.

Aggravation of Pre-Existing Conditions: Open sores and wounds of the skin. Individuals with known sensitivity to methacrylates, acrylates, or urethane dimethacrylate resin used in Dental restorative products.

[To Top of page](#)



**SECTION 4 : FIRST AID MEASURES**

530699

Eye Contact:	First Aid Instructions: Rinse opened eye for several minutes under running water. If symptoms persist consult physician Immediate Medical Attention: Not Applicable Delayed Effects: Not Applicable
Skin Contact:	First Aid Instructions: Immediately wash with soap and water and rinse thoroughly Immediate Medical Attention: Not Applicable Delayed Effects: Not Applicable
Inhalation:	First Aid Instructions: Not Applicable Immediate Medical Attention: Not Applicable Delayed Effects: Not Applicable
Ingestion:	First Aid Instructions: Not Applicable Immediate Medical Attention: Not Applicable Delayed Effects: Not Applicable
Note to Physicians:	(Treating, Testing and Monitoring): Treat symptomatically.
Other First Aid:	<b>Mucosa:</b> First Aid Instructions: Rinse tissue for several minutes under running water. If symptoms persist consult physician Immediate Medical Attention: Not Applicable Delayed Effects: Not Applicable

[To Top of page](#)**SECTION 5 : FIRE FIGHTING MEASURES**

530699

Flash Point Method:	Not Applicable
Upper Flammable or Explosive Limit:	In Air: Not Applicable
Lower Flammable or Explosive Limit:	In Air: Not Applicable
Auto Ignition Temperature:	Not Applicable Product will not autoignite.
Flammability Class:	Not Applicable
Extinguishing Media:	CO2, extinguishing powder, foam carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable Media:	Extinguishing Media to Avoid: Water with full jet.
Flame Propagation in Air:	Flame Propagation or Burning Rate (for Solids): Not Applicable
Hazardous Combustion Byproducts:	Properties Contributing to Fire Intensity: Not Applicable
Fire Fighting Instructions:	For Firefighters: Firefighters should wear self-contained respiratory protective devices.
NFPA	Health: 1 Flammability: 1 Reactivity: 0 Other:
Unusual Fire Hazards:	Formation of toxic, irritating gases is possible from the decomposition of the dimethacrylate resins. Product does not present an explosion hazard. Other: Not Applicable

[To Top of page](#)**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

530699

Spill Cleanup Measures:	Containment Techniques: Material is a paste and as such will not flow.  Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.
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Evacuation Procedures: Not Applicable

Special Instructions: Not Applicable

Reporting Requirements: Not Applicable

[To Top of page](#)**SECTION 7 : HANDLING and STORAGE**

530699

**Handling:** Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

**Storage:** Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store away from food and beverages.

[To Top of page](#)**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

530699

**Engineering Controls:** Not Applicable

**Skin Protection Description:** The glove material has to be impermeable and resistant to the product.

**Eye/Face Protection:** Safety Glasses

**Protective Clothing/Body Protection:** Body Protection: Protective work clothing

**Respiratory Protection:** Inhalation: Not Required

**Emergency Skin Protection:** Not Applicable

**Emergency Eye/Face Protection:** Not Applicable

**Emergency Clothing/Body Protection:** Body Protection: Not Applicable

**Emergency Respiratory Protection:** Inhalation: Not Applicable

**Exposure Limits:** Occupational Exposure Limits: Not Applicable

[To Top of page](#)**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

530699

**Physical State/Appearance:** Various shades of viscous paste.

**Odor:** Characteristic sweet acrylic ester odor.

**Physical State:** Normal Physical State: Very High Viscosity Liquid (Paste)

**pH:** Not Applicable

**Vapor Pressure:** (mm Hg): Not Applicable

**Vapor Density:** (AIR = 1): Not Applicable

**Flash Point:** Not Applicable

**Auto Ignition Temperature:** Not Applicable Product will not autoignite.

**Upper Explosive Limit:** In Air: Not Applicable

**Lower Explosive Limit:** In Air: Not Applicable

**Melting Point:** Not Applicable

**Solubility:** In Water: Not soluble

**Specific Gravity:** 2.1 g/cm<sup>3</sup>

**Evaporation Point:** (Butyl Acetate = 1): Not Applicable

**Other:** Not Applicable

[To Top of page](#)

## SECTION 10 : STABILITY and REACTIVITY

530699

Chemical Stability:	Stable.
Conditions to Avoid:	None known.
Incompatibilities with Other Materials:	(Materials to Avoid): Strong Oxidizing materials.
Hazardous Polymerization:	May Not Occur Conditions to Avoid: None known
Hazardous Decomposition Products:	No dangerous decomposition products known if used according to Directions for Use.

[To Top of page](#)

## SECTION 11 : TOXICOLOGICAL INFORMATION

530699

**Applies to All Ingredients :**

Routes of Exposure:	Eye, Skin, Inhalation, Ingestion, Mucosa
Acute Health Effects:	Potential Environmental Effects: Do not allow to enter sewers/surface or ground water.
	Mucosa: Single, Repeated, or Lifetime Exposure: Single Severity (Mild, Moderate, Severe): Mild
Eye Effect:	Acute: Inflammation of the mucosa Single, Repeated, or Lifetime Exposure: Single Severity (Mild, Moderate, Severe): Moderate
Skin Effects:	Acute: Irritation and possible corneal damage Single, Repeated, or Lifetime Exposure: Single & Repeated Severity (Mild, Moderate, Severe): Moderate
Ingestion Effects:	Acute: Irritation or possible allergic response. Severe allergic response may result in breathing difficulties. Single, Repeated, or Lifetime Exposure: Not Applicable Severity (Mild, Moderate, Severe): Mild
Inhalation Effects:	Acute: Not Applicable Single, Repeated, or Lifetime Exposure: Not Applicable Severity (Mild, Moderate, Severe): Not Applicable
Carcinogenicity:	Acute: Not Applicable NTP: Not listed IARC monographs: Not listed OSHA regulated: No
Other Toxicological Information:	All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. Target Organ(s): Eye: Not Applicable Skin: Not Applicable Inhalation: Not Applicable Ingestion: Not Applicable Mucosa: Not Applicable  Signs and Symptoms: Eye: Material can cause irritation.  Skin: Material may be an irritant  Inhalation: Not Applicable  Ingestion: Material is not harmful if swallowed using clinically relevant quantities  Mucosa: Material can cause irritation.  Medical Conditions Aggravated by Exposure: Open sores and wounds of the skin.

Individuals with known sensitivity to methacrylates, acrylates, or urethane dimethacrylate resin used in Dental restorative products.

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product is an irritant to the skin and mucous membranes. The unpolymerized product may be an irritant to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization: Repeated or prolonged contact with the unpolymerized material may cause sensitization for persons allergic to acrylates and methacrylates. This product shows the following dangers according to internally approved calculation methods for composite materials: Irritant.

Toxicological Paragraph:

Emergency Overview: Material is irritating to eyes, respiratory system and skin. Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product is an irritant to the skin and mucous membranes. The unpolymerized product may be an irritant to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization: Repeated or prolonged contact with the unpolymerized material may cause sensitization for persons allergic to acrylates and methacrylates. This product shows the following dangers according to internally approved calculation methods for composite materials: Irritant.  
NFPA Hazard Classification Ratings (Scale 0-4):  
Health = 1  
Fire = 1  
Reactivity = 0

[To Top of page](#)



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## SECTION 12 : ECOLOGICAL INFORMATION

530699

Ecological Paragraph:

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.

[To Top of page](#)



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## SECTION 13 : DISPOSAL CONSIDERATIONS

530699

Waste Disposal:

Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations  
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

[To Top of page](#)



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## SECTION 14 : TRANSPORT INFORMATION

530699

DOT Shipping Information:

Regulated for Shipping: No. Not Regulated

Do Changes in Quantities, packaging, or shipment method change product classification: No

DOT Shipping Name:

Not Regulated

DOT UN Number:

Not Applicable

DOT Hazard Class:

Not Applicable

DOT Packing Group:

Not Applicable

[To Top of page](#)



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## SECTION 15 : REGULATORY INFORMATION

530699

**Applies to all ingredients:**

TSCA 8(b): Inventory Status: EPA Toxic Substances Control Act (TSCA) Status: All of the components of this

product are listed on the TSCA inventory.

All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CERCLA Section 103:** U.S. Federal Regulations: CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations

**Section 302 Extremely Hazardous Substances (TPQ):** None

**Section 313 Toxic Release Form:** Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

**State:** U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.

**Canada WHMIS:** Canadian Environmental Protection Act:  
This product is a medical device and not subject to chemical notification requirements.

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labelling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.

**European Community Chemical Inventory Status:** European Community Labeling: Not a dangerous preparation.

European Inventory of New and Existing Chemicals Substances (EINECS):  
This product is a medical device and not subject to chemical notification requirements.

Other: Not Applicable

[To Top of page](#)




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## SECTION 16 : ADDITIONAL INFORMATION

530699

### NFPA:

Health:	1
Fire Hazard:	1
Reactivity:	0

MSDS Revision Date: 05/17/10

### Disclaimer:

To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

NFPA Hazard Classification Ratings (Scale 0-4)

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[To Top of page](#)





ACTIO MSDS ID: 956705

View Section : 12345678910111213141516

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION 530699

Product Name: EsthetX HD

Synonyms: EsthetX« HD  
High Definition Micro Matrix Restorative  
CAS Number: Not Applicable  
Manufacturer MSDS.: 530699

Manufacturer Name: Dentsply/Caulk

Address: 38 West Clarke Avenue  
Milford DE 19963-1805

Emergency Telephone Number:  
(302) 422-4511 (8:00 AM - 4:30 PM Eastern Time)

<http://www.caulk.com>

General Use: (For Canada): Light Curing Composite/Dental Filling Material

Business Phone: (302) 422-4511  
Hours Of Operation: (8:00 AM - 4:30 PM Eastern Time)  
Revision Date: 06/03/08  
Trade Names: EsthetX« HD  
High Definition Micro Matrix Restorative  
NFPA Hazard Classification Ratings (Scale 0-4)

DENTSPLY/International

Chemical Name: Dimethacrylate Resins

Grades or Minor Variant Identities:  
Compules« and EasyoTwist Syringe  
NFPA

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To Top of page

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS530699

Ingredient NameCAS#Ingredient Percent

Hydrophobic Amorphous Fumed Silica 68611-44-9< than 5%

Hazardous:Yes

EC Index Number:1

Other Exposure Guidelines:10 mg/m3

Silica (Amorphous) 67762-90-7< than 5%

Hazardous:Yes

EC Index Number:1

Other Exposure Guidelines:3 mg/m3

Barium boron fluoro alumino silicate glass 65997-18-4< than 30%

Hazardous:Yes

EC Index Number:1

Other Exposure Guidelines:10 mg/m3

Barium boron alumino silicate glass 65997-17-3< than 50%

Hazardous:Yes

EC Index Number:1

Other Exposure Guidelines:10 mg/m3

Urethane modified Bis-GMA dimethacrylate 126646-17-1< than 10%

Hazardous:Yes

EC Index Number:1

Other Exposure Guidelines:Not Established

Polymerizable dimethacrylate resins 109-16-0

Hazardous:Yes

EC Index Number:1

Polymerizable dimethacrylate resins 24448-20-2

Hazardous:Yes

EC Index Number:1

Composition/Information:Hazardous Components: Polymerizable dimethacrylate resins  
C.A.S. Number: 24448-20-2/109-16-0  
Exposure Limits: Not Established  
Total % : < than 20  
Other Information: Colorants are inorganic iron oxides and titanium dioxide.

To Top of page

### SECTION 3 : HAZARDS IDENTIFICATION530699

Emergency Overview:Material is irritating to eyes, respiratory system and skin.

Applies to All Ingredients :

Route of Exposure:Eye, Skin, Inhalation, Ingestion

Potential Health Effects:Acute:

Other: Not Applicable

Eye Contact:Acute: Irritation and possible corneal damage

Skin Contact:Acute: Irritation or possible allergic response. Severe allergic response may result in breathing difficulties.

Inhalation:Acute: Not Applicable

Ingestion:Acute: Not Applicable

Chronic Health Effects:Other: Not Applicable

Chronic Eye Contact:Irritation and possible corneal damage

Chronic Skin Contact:Irritation or possible allergic response.

Severe allergic response may result in breathing difficulties.

Chronic Inhalation:Not Applicable

Chronic Ingestion:Not Applicable

Carcinogenicity:OSHA regulated: No All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

NTP Designation:Not listed

IARC Designation:Monographs: Not listed

Target Organs:Eye: Not Applicable

Skin: Not Applicable

Inhalation: Not Applicable

Ingestion: Not Applicable

Other: Not Applicable

Signs/Symptoms:Eye: Material can cause irritation.

Skin: Material may be an irritant

Inhalation: Not Applicable

Ingestion: Material is probably not harmful if swallowed

Other: Not Applicable

Aggravation of Pre-Existing Conditions:Open sores and wounds of the

skin. Individuals with known sensitivity to methacrylates, acrylates, or urethane dimethacrylate resin used in Dental restorative products.

Single, Repeated, or Lifetime Exposure:

Eye: Single

Skin: Single & Repeated

Inhalation: Not Applicable

Ingestion: Not Applicable

Other: Not Applicable

Severity (Mild, Moderate, Severe):

Eye: Moderate

Skin: Moderate

Inhalation: Not Applicable

Ingestion: Not Applicable

Other: Not Applicable

Potential Environmental Effects Do not allow to enter sewers/surface or ground water.

NFPA Hazard Classification Ratings (Scale 0-4):

Health = 1

Fire = 1

Reactivity = 0

To Top of page

#### SECTION 4 : FIRST AID MEASURES530699

Eye Contact:First Aid Instructions: Rinse opened eye for several minutes under running water. If symptoms persist consult physician

Immediate Medical Attention: Not Applicable

Delayed Effects: Not Applicable

Skin Contact:First Aid Instructions: Immediately wash with soap and water and rinse thoroughly

Immediate Medical Attention: Not Applicable

Delayed Effects: Not Applicable

Inhalation:First Aid Instructions: Supply fresh air, consult physician if symptoms persist

Immediate Medical Attention: Not Applicable

Delayed Effects: Not Applicable

Ingestion:First Aid Instructions: If symptoms persist consult physician

Immediate Medical Attention: Not Applicable

Delayed Effects: Not Applicable

Note to Physicians:(Treating, Testing and Monitoring): Not Applicable

Other First Aid:First Aid Instructions: Not Applicable

Immediate Medical Attention: Not Applicable

Delayed Effects: Not Applicable

To Top of page

#### SECTION 5 : FIRE FIGHTING MEASURES530699

Flash Point Method:Not Applicable

Upper Flammable or Explosive Limit:In Air: Not Applicable  
Lower Flammable or Explosive Limit:In Air: Not Applicable  
Auto Ignition Temperature:Not Applicable Product will not autoignite.  
Flammability Class:Not Applicable  
Extinguishing Media:CO2, extinguishing powder, foam carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Unsuitable Media:Water with full jet.  
Flame Propagation in Air:Flame Propagation or Burning Rate (for Solids): Not Applicable  
Fire Fighting Instructions:For Firefighters: Firefighters should wear self-contained respiratory protective devices.  
Unusual Fire Hazards:Formation of toxic, irritating gases is possible from the decomposition of the dimethacrylate resins. Product does not present an explosion hazard.  
Other: Not Applicable

Properties Contributing to Fire Intensity: Not Applicable

To Top of page

#### SECTION 6 : ACCIDENTAL RELEASE MEASURES530699

Spill Cleanup Measures:Containment Techniques: Material is a paste and as such will not flow.

Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container.

Avoid gross skin contact to minimize the possibility of contact dermatitis to susceptible persons. Ensure adequate ventilation.

Evacuation Procedures: Not Applicable

Special Instructions: Not Applicable

Reporting Requirements: Not Applicable

To Top of page

#### SECTION 7 : HANDLING and STORAGE530699

Handling:Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

Storage:Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store away from food and beverages.

Hygiene Practices:Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin.

To Top of page

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION530699

Ventilation System:None required during normal intended use of this product  
Skin Protection Description:The glove material has to be impermeable and resistant to the product.  
Eye/Face Protection:Safety Glasses  
Protective Clothing/Body Protection:Body Protection:  
Protective work clothing  
Respiratory Protection:Inhalation: Not Required  
Other Protective:Equipment: Not Applicable  
Emergency Skin Protection:Not Applicable  
Emergency Eye/Face Protection:Not Applicable  
Emergency Clothing/Body Protection:Body Protection: Not Applicable  
Emergency Respiratory Protection:Inhalation: Not Applicable  
General Hygiene Considerations and Work Practices: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin.

Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable

To Top of page

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES530699

Physical State/Appearance:Various shades of viscous paste.  
Odor:Characteristic sweet acrylic ester odor.  
Physical State:Normal Physical State: Very High Viscosity Liquid (Paste)  
pH:Not Applicable  
Vapor Pressure:(mm Hg): Not Applicable  
Vapor Density:(AIR = 1): Not Applicable  
Melting Point:Not Applicable  
Solubility:In Water: Not soluble  
Specific Gravity:2.1 g/cm<sup>3</sup>  
Evaporation Point:(Butyl Acetate = 1): Not Applicable  
Other:Not Applicable

To Top of page

SECTION 10 : STABILITY and REACTIVITY530699

Chemical Stability:Stable.  
Conditions to Avoid:None known.  
Incompatibilities with Other Materials:(Materials to Avoid) Strong Oxidizing materials.  
Hazardous Polymerization:May Not Occur  
Conditions to Avoid: None known

Hazardous Decomposition Products:No dangerous decomposition products known if used according to Directions for Use.

To Top of page

SECTION 11 : TOXICOLOGICAL INFORMATION530699

Toxicological Paragraph:Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product is an irritant to the skin and mucous membranes. The unpolymerized product may be an irritant to the skin in susceptible persons. On the eye the product has an irritating effect. Sensitization: Repeated or prolonged contact with the unpolymerized material may cause sensitization for persons allergic to acrylates and methacrylates. This product shows the following dangers according to internally approved calculation methods for composite materials: Irritant.

To Top of page

SECTION 12 : ECOLOGICAL INFORMATION530699

Ecological Paragraph:Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (Self-assessment): Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.

To Top of page

SECTION 13 : DISPOSAL CONSIDERATIONS530699

Waste Disposal:Regulations: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Dispose of material as solid waste in a closed container.  
Dispose of in accordance with Federal, State and Local regulations  
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

To Top of page

SECTION 14 : TRANSPORT INFORMATION530699

DOT Shipping Information:Regulated for Shipping: No. Not Regulated

Do Changes in Quantities, packaging, or shipment method change product classification: No

Other: Not Applicable

DOT Shipping Name:Regul d for Shipping: No. Not Regulated

DOT UN Number:Not Applicable

DOT Hazard Class:Not Applicable

DOT Packing Group:Not Applicable

DOT Subpart E Labeling Requirement:(49CFR172.101): Not Applicable

To Top of page

## SECTION 15 : REGULATORY INFORMATION530699

Applies to all ingredients:

TSCA 8(b): Inventory Status:EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

CERCLA Section 103:U.S. Federal Regulations: CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations

Section 302 Extremely Hazardous Substances (TPQ):None

Section 313 Toxic Release Form:Section 313 Toxic Chemicals:

This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

State:U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list.

Canada WHMIS:International Regulations: Canadian Environmental Protection Act:

This product is a medical device and not subject to chemical notification requirements.

European Community Chemical Inventory Status:European Community Labeling: Not a dangerous preparation.

European Inventory of New and Existing Chemicals Substances (EINECS):

This product is a medical device and not subject to chemical notification requirements.

Other: Not Applicable

To Top of page

## SECTION 16 : ADDITIONAL INFORMATION530699

NFPA:

Health:1

Fire Hazard:1

Reactivity:0

MSDS Revision Date:06/03/08

Disclaimer:



To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products.

NFPA Hazard Classification Ratings (Scale 0-4)

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To Top of page