

**DENTSPLY/International  
DENTSPLY/Caulk  
Material Safety Data Sheet**

**585400**

**1. Product and Company Identification**

Product Name <b>Dyract<sup>®</sup> eXtra Compomer</b>	MSDS Code Number <b>585400</b>
Trade Name & Synonyms <b>Dyract<sup>®</sup> eXtra Compomer</b>	Date of Last Revision <b>05/08/08</b>
Chemical Name <b>Dimethacrylate Resins</b>	Manufacturer <b>DENTSPLY/Caulk</b>
C.A.S. Number Not Applicable	Address <b>38 West Clarke Avenue Milford DE 19963-1805 <a href="http://www.caulk.com">http://www.caulk.com</a></b>
Grades or Minor Variant Identities Not Applicable	Information Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>
Product Use (for Canada) Not Applicable	Emergency Telephone Number <b>(302) 422-4511 (8:00 AM – 4:30 PM Eastern Time)</b>

**2. Composition Of Ingredients**

Hazardous Components	C.A.S. Number	Exposure Limits	%
Polymerizable dimethacrylate resin	105883-40-7	Not Established	< 35
Polymerizable trimethacrylate resin	3290-92-4	Not Established	< 10
Polymerizable dimethacrylate resin	24448-20-2	Not Established	< 35
Polymerizable dimethacrylate resin	109-16-0	Not Established	< 10
Strontium Fluoride	7783-48-4	2.5 mg/m <sup>3</sup>	< 10

Other Information: Other colorants are inorganic iron oxides.

**3. Hazard Identification**

Emergency Overview <b>Material is irritating to eyes, respiratory system and skin.</b>					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material can cause irritation.	Single	Moderate	Irritation and possible corneal damage	Not Applicable
Skin	Material may be an irritant	Single & Repeated	Moderate	Irritation or possible allergic response. Severe allergic response may result in breathing difficulties.	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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.					
Carcinogenicity NTP?: Not listed IARC monographs?: Not listed 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.					
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.					
NFPA Hazard Classification Ratings (Scale 0-4) Health =1, Fire =0, Reactivity=0					

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**4. First Aid Measures**

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly	Not Applicable	Not Applicable
Inhalation	Supply fresh air	Not Applicable	Not Applicable
Ingestion	If symptoms persist consult physician	Not Applicable	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Not Applicable			

**5. Fire and Explosion Data**

Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable	Other: Not Applicable
Flame Propagation or Burning Rate (Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: CO <sub>2</sub> , extinguishing powder, foam carbon dioxide or water spray. If larger fires with water spray or alcohol resistant foam.		Extinguishing Media to Avoid: Water with full jet.	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: Formation of toxic, irritating gases is possible from the decomposition of the dimethacrylate resins.			

**6. Accidental Release 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

**7. Handling and Storage**

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

**8. Exposure Control / Personal Protection**

Ventilation: None required during normal intended use of this product		Other Engineering Controls:
Routes of Entry	Personal Protective Equipment (PPE) for Normal Use	PPE for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Not Required	Not Applicable
Body Protection	Protective work clothing	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		
Other Protective Measures and Equipment: Not Applicable		

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**9. Physical and Chemical Characteristics**

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

**10. Stability and Reactivity Data**

Incompatibility (Materials to Avoid): Strong Oxidizing materials.	
Hazardous Products Produced During Decomposition: No dangerous decomposition products known.	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: None known
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: None known

**11. Toxicological Information**

<p>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.</p>
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**12. Ecological Information**

<p>Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class I (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.</p>
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**13. Disposal Considerations**

<p>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</p>
<p>Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.</p>

**14. Transport Information**

Regulated for Shipping: No	Proper Shipping Name: Not Applicable	Packing Group: Not Applicable
Do Changes in Quantities, packaging, or shipment method change product classification? No	Hazard Class: Not Applicable	Identification Number: Not Applicable
Other: Not Applicable		

**15. Regulatory Information**

<p>U.S. Federal Regulations: <u>CERCLA 103 Reportable Quantity</u>: This product is not subject to CERCLA reporting requirements. The product has been classified and marked in accordance with directives on hazardous materials. Hazard Symbol: Irritant Water Hazard class I (Self-assessment): slightly hazardous for water. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations</p>
<p><u>Section 313 Toxic Chemicals</u>: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None</p>
<p><u>Section 302 Extremely Hazardous Substances (TPQ)</u>: None</p>
<p><u>EPA Toxic Substances Control Act (TSCA) Status</u>: All of the components of this product are listed on the TSCA inventory.</p>
<p><u>U.S. State Regulations California Proposition 65</u>: This product does not contain any chemicals, which are on the California Proposition 65 list.</p>
<p><u>International Regulations: Canadian Environmental Protection Act</u>: This product is a medical device and not subject to chemical notification requirements.</p>
<p><u>European Community Labeling</u>: Not a dangerous preparation.</p>
<p><u>European Inventory of New and Existing Chemicals Substances (EINECS)</u>: This product is a medical device and not subject to chemical notification requirements.</p>
<p><u>International Regulations</u>: Not Applicable</p>
<p>Other: Not Applicable</p>

**16. Other Information**

<p>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.</p>
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