

MATERIAL SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: ReCreate-LC Light curing Nano Hybrid Restorative Composite

Other Names: n/a

Recommended Use: Composite for filling and restoration material

Company name: Safe Endo Dental India Pvt. Ltd.

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2 - HAZARDS IDENTIFICATION

Emergency Overview Material is irritating to eyes, respiratory system and skin					
Routes of Exposure	Sign and Symptoms	Single, Repeated or Lifetime Exposure	Severity (Mild Moderate, Severe)	Acute and Chronic Health Effects (S)	Target Organ(S)
Eye	Sign and Symptoms	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 difficult	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 know 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 effects do not allow to enter sewer/surface or ground water.					

Potential Environmental Effects do not allow to enter sewer/surface or ground water
NFPA Hazard Classification rating (Scale 0-4), Health=1, Fire=0< Reactivity =0,

3 - COMPOSITION/INFORMATION ON INGREDIENTS

The Gel contains the following dangerous substances:

Chemical name	w/w %	CAS	EC no.	R-Phrases
Diamethacrylate oligomers (TEGDMA, UDMA, bis-EMA)	<3%			
Combined radiopaque filler from modified aluminosilicate glass(0.02-2.0 urn)	<80%			
Nanosized particles of silicon oxide (5-20 nm)	<10%			

4- FIRST AID MEASURES

Route of Exposure	First aid Instruction	Immediate Medical attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persists consult physician	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly	Not Applicable	Not Applicable
Inhalation	Supply fresh air, consult physician if symptoms persist	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): Test symptomatically			

5- FIRE-FIGHTING MEASURES

Flashpoint Method: Not Applicable	Flammable(Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Auto ignition Temperature: Not Applicable Product will not auto ignition	Other: Not Applicable
Flame Propagation or burning rate (for solids) Not Applicable	Properties Contributing to fire Intensity Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: CO2,extinguishing powder,		Extinguishing Media of Avoid: Water with full jet	

foam carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant	
Protection and Procedures for firefighters; Firfighter should wear self-contained respiratory protective devices	
Unusual Fire and Explosion Hazards: Formation of toxic Irritating gases In possible from the decomposition of the dimethacrylate resins Product does not present an explosion hazard	

6- ACCIDENTAL RELEASE MEASURES

Containment Techniques : Material is a paste and such will not flow		
Spill/Leak Clean-up Procedures and Equipment : Wear protective clothing and scoop up bulk material and place in a lablded 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 Instruction: Not Applicable	Reporting Requirments: Not Applicable

7- HANDLING AND STORAGE

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

Storage Practies and warning : Store only in the original package. Keep package tightly sealed. Store in a dry area. Product from exposure to direct light . Store in a dry area. Product from exposure tom direct light. Store away from food and beverage.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: None required during normal intended use of this product		other Engineering Controls: N.A
Routes Of Entry	Personal Protective Equipment(PPE) for normal Use	PPE for Engineers
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product	
Inhalation	Not Required	
Body Protection	Protective work clothing	
General Hygiene Considerations and work Practices; Keep away from foodstuff, beverages and feed, Immediately remove all soiled and contaminated clothing, wash hand s before breaks and it 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		

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Various Shades of various paste	Odor: Characteristic sweet acrylic ester odor
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Normal Physical State: Very High Viscosity Liquid (Paste)		Melting Point : Not Applicable
Specific Gravity : 1.8 g/cm ³	Solubility in water: Not soluble	pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1): Not Applicable	Evaporation rate (Buty1Acetate=1): Not Applicable
Other : Not Applicable		

10- STABILITY AND REACTIVITY

Incompatibility (Material to Avoid); Strong Oxidizing materials	
Hazardous Products produced During Decomposition: no dangerous decomposition products know if used according to Directions for use	
Hazard Polymerization May Occur √ May Not Occur	Condition to avoid: None Known
Stability Stable √ Unstable	Condition to avoid: None Known

11- TOXICOLOGICAL INFORMATION

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic effects, Reproductive Effects, or structure Activity Data: Product is an irritant to the skin and mucous members. 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.

12- ECOLOGICAL INFORMATION

Toxicity Data, Environment Fate, Physical/Chemical data, or other Data supporting Environment Hazard Statements: Water Hazard class 1 (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.

13- DISPOSAL CONSIDERATIONS

Regulations: Must not be disposed of together with household garbage. Do not allow product reach sewage system. Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal state

or Local regulations.

Properties (Physical/chemical)affecting Disposal: Dispose of material as solid waste in a closed container.

14 TRANSPORT INFORMATION

Regulated for Shipping:No: Not regulated	Dot shipping Name : Not Regulated	Packing Group: Not Applicable
Do change in Quantities, packaging Or shipment method change product Classification?No	Dot Hazard Class; Not Applicable	UN Number: Not Applicable

15- REGULATORY INFORMATION

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 313 toxic Chemicals: This product contain the following chemicals subject to annual release reporting requirement Under SARA title III, Section 313(40 CFR 372): None Section 302 Extremely Hazardous substance (TPQ): None EPA Toxic substances control act (TSCA) Status: All of the component of this product are listed on the TSCA inventory U.S. State Regulations California Proposition 65: This product does not contain any chemicals, which are on the California Proposition 65 list This product is a medical devices and not subject to chemical notification requirements European Community Labeling: Not a dangerous preparation European Inventory of new and Existing Chemical substance(EINECS) This product is a medical device and not subject to chemical notification requirements Other: Not Applicable

16- OTHER INFORMATION

The above information applies to customer packages unless stated otherwise, and fully expresses our current knowledge and experience. The product is assumed for use at worksites corresponding to its designation, and the instructions on the enclosed instruction sheet as well as the standard labor safety regulations for the handling of chemical products are assumed to be adhered to. To the best of our knowledge this product does not contain gluten, wheat gains, flaxseed, natural rubber, or natural Latex. All components are synthetically produced: none are derived for animal products.