

# NANOHYBRID LIGHT-CURE COMPOSITE

## MATERIAL SAFETY DATA SHEET

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### HAZARD RATINGS

1	HEALTH	0	MINIMAL
1	FLAMMABILITY	1	SLIGHT
0	REACTIVITY	2	MODERATE
	SPECIAL NOTICE	3	SERIOUS
		4	EXTREME

### SECTION I – IDENTIFICATION OF SUBSTANCE

<b>PRODUCT NAME:</b>	NANOHYBRID LIGHT CURE COMPOSITE
<b>CHEMICAL FAMILY:</b>	METHACRYLATES.
<b>DESCRIPTION OF PRODUCT:</b>	COMPOSITE RESIN, FOR DENTAL PROFESSIONALS ONLY

### SECTION II – COMPOSITION /DATA ON COMPONENTS

INGREDIENTS	%	CAS.NO.	SYMBOLS	R-PHRASES
<b>Triedma Solution Light Cure:0-10</b>				
Triedma 100 ppm BHT	1-9	74-97-5	N/E	N/E
BHT	<1	128-37-0	N/E	N/E
Decanedioic Acid	<1	111-20-6	N/E	N/E
Canfourquinone	<1	97-10373-78-1	N/E	N/E
Etil4 dimethylaminobenzoate	<1	10287-53-3	N/E	N/E
2-(2-hydroxy-5-methylphenyl) benzotriazole	<1	2440-22-4	N/E	N/E
2,2-dimethoxy-2phenylacetophenone	<1	246650-42-8	N/E	N/E
Phenyl salicylate	<1	118-55-8	N/E	N/E
N,N-bis (2 hydroxyethyl)-p-toluidine	<1	3077-12-1	N/E	N/E
<b>Resin Solution Light Cure:5-40</b>				
Bis-GMA (Bisphenol a glicidyl methacryate)	3-13	1565-94-2	N/E	N/E
Diurethane dimethacrylate	2-12	72869-86-4	N/E	N/E
<b>Light Cure Powder:55-85</b>				
Aerosil 972 (colloidal silicium dioxide)	1-5	7631-86-9	N/E	N/E
SP-200-345 (Barium glass)	24-34	65997-17-3	N/E	N/E
Glass powder 0.7 microns	42-52	65997-17-3	N/E	N/E
Pigments			N/E	N/E

(NO DANGEROUS COMPONENTS)

**SECTION III – HAZARD IDENTIFICATION**

HAZARD DESCRIPTION	NOT APPLICABLE
R- PHRASES	NOT APPLICABLE

**SECTION IV – FIRST AID MEASURES**

AFTER SKIN CONTACT	WASH IMMEDIATELY WITH SOAP AND PLENTY OF WATER.
AFTER EYE CONTACT	WASH IMMEDIATELY WITH PLENTY OF WATER. GET MEDICAL ATTENTION.
AFTER SWALLOWING	INDUCE VOMIT IMMEDIATELY. GET MEDICAL ATTENTION.

**SECTION V – FIRE FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA	CHEMICAL FOAM, CARBON DIOXIDE OR DRY CHEMICAL.
MEDIA NOT TO BE USED	NONE.
COMBUSTION PRODUCTS AND RESULTING GASES	IRRITANT GAS MAY BE RELEASED DURING HEATING OR IN CASE OF FIRE.
SPECIAL PRECAUTION FOR FIREFIGHTERS	USE PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

PERSONAL PROTECTION	WEAR SUITABLE PROTECTIVE GLOVES.
ENVIRONMENTAL PROTECTION	NOT REQUIRED.
METHODS FOR CLEANING UP	USE ISOPROPILIC ALCOHOL

**SECTION VII – HANDLING AND STORAGE**

HANDLING	USE IN A WELL-VENTILATED PLACE.
STORAGE	STORE IN A COOL, DARK PLACE (TEMPERATURE LIMIT BETWEEN 4°C AND 24°C). KEEP AWAY FROM HEAT, DIRECT SUNLIGHT AND OPEN FLAMES.

**SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION**

IN GENERAL,	NOT REQUIRED.
RESPIRATION PROTECTION	NOT REQUIRED.
HAND PROTECTION	WEAR SUITABLE PROTECTIVE GLOVES.
EYE PROTECTION	WEAR SUITABLE PROTECTIVE GLASSES.
SKIN PROTECTION	WEAR SUITABLE PROTECTIVE CLOTHING.

**SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	PASTE FLOW	EXPLOSIVE PROPERTIES	NONE
ODOR	NONE	OXIDIZING PROPERTIES	NONE
pH	7.0	VAPOR PRESSURE	N/A
BOILING POINT	N/A	REATIVE DENSITY	N/A
MELTING POINT	N/A	SOLUBILITY IN ORGANIC SOLVENTS	N/A
FLASH POINT	300°C	WATER SOLUBILITY	N/A
FLAMMABILITY	N/A	PARTITION COEFFICIENT	N/A

**SECTION X– STABILITY AND REACTIVITY**

STABILITY:	STABLE
CONDITIONS TO AVOID	AVOID ELEVATED TEMPERATURES AND UV LIGHT
MATERIALS TO AVOID	N/A
HAZARDOUS REACTIONS	NO HAZARDOUS REACTION KNOWN.

**SECTION XI – TOXICOLOGICAL INFORMATION**

INHALATION	A VERY LARGE AMOUNT OF UNCURED MATERIAL CAN CAUSED DYSPEPSIA, NAUSEA, VERTIGO
INGESTION	CONSULT A PHYSICIAN PROMPTLY.
SKIN CONTACT	MAY CAUSE IRRITATION. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION.

EYE CONTACT	SOFT IRRITATION
CARCINOGENICITY	N/R

### SECTION XII – ECOLOGICAL INFORMATION

BIODEGRADABILITY	N/A
BIOACCUMULATIVE	N/A
AQUATIC TOXICITY	N/A

### SECTION XIII – DISPOSAL CONSIDERATION

**WASTE DISPOSAL METHOD:** INCINERATE IN AN INDUSTRIAL OR COMMERCIAL FACILITY IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. AS A DISPOSAL ALTERNATIVE, DISPOSE OF WASTE PRODUCT IN A FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE.

**EPA HAZARDOUS WASTE NUMBER (RCRA):** NOT REGULATED

**SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.**

**ACCIDENTAL RELEASE/SPILLAGE:**

ACCIDENTAL RELEASE MEASURES: OBSERVE PRECAUTIONS FROM OTHER SECTIONS. CALL CONAMCO ((55) 5519-05-08) FOR MORE INFORMATION ON HANDLING AND MANAGING THE SPILL. VENTILATE THE AREA WITH FRESH AIR.

COLLECT AS MUCH OF THE SPILLED MATERIAL AS POSSIBLE.

CLEAN UP RESIDUE. COLLECT THE RESULTING RESIDUE CONTAINING SOLUTION. PLACE IN A CLOSED CONTAINER APPROVED FOR TRANSPORTATION BY APPROPRIATE AUTHORITIES. DISPOSE OF COLLECTED MATERIAL AS SOON AS POSSIBLE.

IN THE EVENT OF A RELEASE OF THIS MATERIAL THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS REPORTABLE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

**DISPOSAL RECOMMENDATIONS:**

1. USE NEW AND CLEAN NITRILE GLOVES.
2. THE RESIN MUST BE CURED IN A SAFE CONTAINER FOR RESIN, EITHER BY EXPOSING IT TO THE SUN OR WITH A LIGHT CURE LAMP.
3. ONCE CURED, IT CAN BE DISCARDED WITH SOLID RESIDUES.

NOTE: LIQUID OR PARTIALLY CURED RESIN MUST BE DISPOSED OF IN ACCORDANCE WITH THE REGULATIONS.

### SECTION XIV – TRANSPORT INFORMATION

TEMPERATURE LIMIT BETWEEN 4°C AND 24°C  
 NOT REQUIRES COLD CHAIN TO TRANSPORT  
 KEEP AWAY FROM SUNLIGHT.  
 KEEP AWAY FROM RAIN.

## SECTION XV – REGULATORY INFORMATION

THIS PRODUCT IS A MEDICAL DEVICE AND NOT SUBJECT TO CHEMICAL NOTIFICATION REQUIREMENTS.  
REGULATED FOR SHIPPING: NOT REGULATED

SYMBOL:



CATEGORIES OF DANGER: N/A

## SECTION XVI – OTHER INFORMATION

**THE SAFETY DATA SHEET IS REVISED IN ORDER TO:** THE INFORMATION IN THIS SAFETY DATA SHEET IS BASED UPON OUR PRESENT KNOWLEDGE. THE INFORMATION IS PRESENTED WITH THE INTENTION OF DESCRIBING THE SAFEST WAY OF HANDLING THE PRODUCT. THE SAFETY DATA SHEET IS THEREFORE NOT TO BE REGARDED AS A COMPLETE CHEMICAL DESCRIPTION OF THE PRODUCT.

\* N/E: NOT ESTABLISHED, N/A: NOT AVAILABLE, N/R: NOT REGULATED BY IARC