

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: 3M ESPE Dental Products

TRADE NAME:

9371 IMPRINT II TRAY MATERIAL

ID NUMBER/U.P.C.:

70-2010-1389-6	+H-44440-3992B-0	70-2010-1390-4	+H-44440-4032/-0
70-2010-1621-2	+H-44440-64121-0	70-2010-1650-1	+H-44440-67023-0
70-2010-2362-2	+H-44447-6782I-0	70-2010-2471-1	+H-44447-7872J-0
70-2010-2719-3	+H-44448-03526-0	70-2010-3112-0	+H-44451-46224-0

ISSUED: August 20, 2001

SUPERSEDES: May 21, 2001

DOCUMENT: 07-0754-7

1. INGREDIENT	C.A.S. NO.	PERCENT
QUARTZ SILICA.....	14808-60-7	50 - 60
METHYLVINYLPOLYSILOXANE.....	None	25 - 35
CROSSLINKER.....	None	5 - 15
FILLER.....	67762-90-7	5 - 15
TRIPOLI.....	1317-95-9	< 1
BLUE PIGMENT.....	1345-16-0	< 1
COBALT.....	7440-48-4	< 1
ETHYL ALCOHOL.....	64-17-5	< 1

This product contains the following toxic chemical or chemicals subject to  
the reporting requirements of Section 313 of Title III of the Emergency  
Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

BLUE PIGMENT

COBALT

## 2. PHYSICAL DATA

BOILING POINT:..... N/A  
VAPOR PRESSURE:..... < 27 psia ISO  
VAPOR DENSITY:..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER:..... nil  
SPECIFIC GRAVITY:..... 1.5 g/cc ISO  
PERCENT VOLATILE:..... N/D

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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2. PHYSICAL DATA (continued)  
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pH:..... N/D  
VISCOSITY:..... N/D  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
BLUE ODORLESS THICK PASTE

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... N/A  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
Water spray, Carbon dioxide, Dry chemical, Foam, Alcohol-type foam

SPECIAL FIRE FIGHTING PROCEDURES:  
Not applicable

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Not applicable.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 1 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in a closed container.

RECOMMENDED DISPOSAL:

Incinerate large quantities in an industrial or commercial incinerator. Disposal alternative: Dispose of waste product in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/D.  
VOC Less H2O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material.

RECOMMENDED VENTILATION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Keep container dry.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Combustible liquid and vapor.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only. Please see package insert for additional precautionary warnings.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
QUARTZ SILICA.....	0.1	MG/M3	TWA	OSHA	
	RESPIRABLE				
QUARTZ SILICA.....	0.05	MG/M3	TWA	ACGIH	
	RESPIRABLE				
METHYLVINYLPOLYSILOXANE.....	NONE	NONE	NONE	NONE	
CROSSLINKER.....	NONE	NONE	NONE	NONE	
FILLER.....	5	MG/M3	CEIL	CMRG	
	AS DUST				
TRIPOLI.....	0.1	MG/M3	TWA	ACGIH	
	RESPIRABLE				
TRIPOLI.....	0.1	MG/M3	TWA	OSHA	
	RESPIRABLE				
BLUE PIGMENT.....	0.02	MG/M3	TWA	ACGIH	
	as Co				
COBALT.....	0.05	MG/M3	TWA	OSHA	
	OSHA VACATED PEL				
COBALT.....	0.02	MG/M3	TWA	ACGIH	
COBALT.....	0.05	MG/M3	TWA	ACGIH	
	as Co dust				

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
COBALT.....	0.05	MG/M3	TWA	ACGIH	
	as Co fume				
COBALT.....	0.05	MG/M3	TWA	OSHA	
	as Co dust				
	OSHA VACATED PEL				
COBALT.....	0.05	MG/M3	TWA	OSHA	
	as Co fume				
	OSHA VACATED PEL				
COBALT.....	0.1	MG/M3	TWA	OSHA	
ETHYL ALCOHOL.....	1000	PPM	TWA	ACGIH	
ETHYL ALCOHOL.....	1000	PPM	TWA	OSHA	

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHA: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:

No adverse health effects are expected from swallowing.

CANCER:

Note: This product contains ethanol. In IARC published Monograph No. 44, entitled, "Alcohol Drinking", the carcinogenicity of ethanol was determined based on chronic exposure to ethanol through human

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8. HEALTH HAZARD DATA (continued)  
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consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

WARNING: Contains a chemical which can cause cancer. (1317-95-9)  
(IARC 1 - human carcinogen, Calif. Proposition 65)

WARNING: Contains a chemical which can cause cancer. (14808-60-7)  
(NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

WARNING: Contains a chemical which can cause cancer. (COBALT COMPOUNDS) (IARC possible human carcinogen 2B)

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SECTION CHANGE DATES  
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INGREDIENTS	SECTION CHANGED SINCE	May 21, 2001	ISSUE
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