

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



DIVISION: DENTAL PRODUCTS
TRADE NAME:
7312 EXPRESS VINYL POLYSILOXANE IMPRESSION MATERIAL STD PUTTY

3M I.D. NUMBER: 70-2005-5213-4

ISSUED: AUGUST 27, 1992
SUPERSEDES: APRIL 15, 1992
DOCUMENT: 10-7917-7

1. INGREDIENT	C.A.S. NO.	PERCENT	
CHROMIUM OXIDE (CR203)	1308-38-9	<	4.0
C.I. PIGMENT BLUE 36	68187-11-1	<	2.0
SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED	68083-19-2	15.0 -	45.0
QUARTZ SILICA	14808-60-7	40.0 -	50.0
CALCIUM CARBONATE	471-34-1	30.0 -	40.0
HYDROCARBON OILS	8020-83-5	4.0 -	7.0
C.I. PIGMENT BLUE 28	1345-16-0	<	4.0
DIMETHYL METHYL HYDROGEN SILICONE FLUID	68037-59-2	5.0 -	10.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

- CHROMIUM OXIDE (CR203)
- C.I. PIGMENT BLUE 36
- C.I. PIGMENT BLUE 28

2. PHYSICAL DATA

BOILING POINT:..... N/A
 VAPOR PRESSURE:..... N/A
 VAPOR DENSITY: N/A
 EVAPORATION RATE:..... N/A
 SOLUBILITY IN WATER: INSOLUBLE
 SP. GRAVITY:..... 1.7
 PERCENT VOLATILE: ESSENTIALLY NIL
 VOLATILE ORGANICS: N/D
 VOC LESS H2O & EXEMPT SOLVENT N/D
 pH: N/A
 VISCOSITY: N/A
 MELTING POINT..... N/D
 APPEARANCE AND ODOR: viscous pastes., BROWN OR BLUE WHEN MIXED; NO ODOR

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
 FLAMMABLE LIMITS - LEL: N/A
 FLAMMABLE LIMITS - UEL: N/A
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO2, DRY CHEMICAL, WATER
 SPECIAL FIRE FIGHTING PROCEDURES:
 NONE
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 NONE

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

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

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
NONE
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
MIX CATALYST AND BASE PARTS TOGETHER.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue. Place in an approved metal container and seal.

RECOMMENDED DISPOSAL:

Dispose of completely cured (or polymerized) material in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

N/D

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

N/A

INHALATION:

N/A

IF SWALLOWED:

N/A

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Not applicable..

VENTILATION PROTECTION:

Not applicable.

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7. PRECAUTIONARY INFORMATION (continued)

RESPIRATORY PROTECTION:

Not applicable..

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at room temperature.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
CHROMIUM OXIDE (CR2O3)	0.5	mg/m3	TWA	ACGIH
	as Cr			
CHROMIUM OXIDE (CR2O3)	0.5	mg/m3	TWA	OSHA
	as Cr			
C.I. PIGMENT BLUE 36	NONE	NONE	NONE	NONE
SILOXANES AND SILICONES, DI-ME, VINYL GROUP-TERMINATED	NONE	NONE	NONE	NONE
QUARTZ SILICA	0.1	mg/m3	TWA	ACGIH
	as quartz resp.	dust		
QUARTZ SILICA	0.1	mg/m3	TWA	OSHA
	as quartz resp.	dust		
CALCIUM CARBONATE	10	mg/m3	TWA	ACGIH
HYDROCARBON OILS	NONE	NONE	NONE	NONE
C.I. PIGMENT BLUE 28	NONE	NONE	NONE	NONE
DIMETHYL METHYL HYDROGEN SILICONE FLUID	NONE	NONE	NONE	NONE

* 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
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

Product is not expected to be irritating to the skin.

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8. HEALTH HAZARD DATA (continued)

INHALATION:
CONSIDERED AS PRACTICALLY NON-TOXIC ORALLY.

IF SWALLOWED:
Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.

CANCER:
SILICA QUARTZ (14808-60-7) is a potential cancer hazard causing lung tumors by the inhalation and intratracheal routes of exposure in laboratory animal studies (NTP anticipated human carcinogen, IARC probable human carcinogen 2A, Calif. Proposition 65).

OTHER HEALTH HAZARD INFORMATION:
+NOTE: CRYSTALLINE SILICON DIOXIDE HAS BEEN SHOWN TO PRODUCE SILICOSIS (FIBERPLASIA) IN HUMANS AND EVIDENCE SUGGESTS THAT CANCER (HYPERPLASIA AND METAPLASIA) CAN OCCUR IN ANIMALS. HOWEVER, IN THE FORM OF THIS PRODUCT SUCH EXPOSURE IS UNLIKELY.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	APRIL 15, 1992 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	JULY 13, 1992 ISSUE

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

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.