

3M General Offices

3M Center
St. Paul, MN 55144-1000
612 733 1110

00-20
162

MATERIAL SAFETY
DATA SHEET



DIVISION: DENTAL PRODUCTS

TRADE NAME:
3505P GLASS IONOMER LUTING CEMENT POWDER

3M ID NUMBER/U.P.C.: 70-2010-0434-1 +H-44412-36321-0 70-2010-1282-3 +H-44440-28121-0

ISSUED: MARCH 1, 1995
SUPERSEDES: AUGUST 22, 1994
DOCUMENT: 05-6732-1

1. INGREDIENT	C.A.S. NO.	PERCENT		
GLASS	65997-17-3	93	-	97
METHACRYLOXYPROPYLTRIMETHOXYSILANE ...	2530-85-0	1	-	5
TITANIUM DIOXIDE	13463-67-7		<	1.0

2. PHYSICAL DATA

BOILING POINT:.....	N/A
VAPOR PRESSURE:.....	N/A
VAPOR DENSITY:.....	N/A
EVAPORATION RATE:.....	N/A
SOLUBILITY IN WATER:	N/A
SP. GRAVITY:.....	2.8 gm/ml
PERCENT VOLATILE:.....	N/A
VOLATILE ORGANICS:	N/A
VOC LESS H2O & EXEMPT SOLVENT	N/A
pH:	N/A
VISCOSITY:.....	N/A
MELTING POINT.....	N/A
APPEARANCE AND ODOR:	Coarse powder (greater than 10um in diameter), WHITE POWDER, ODORLESS.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:.....	N/A
FLAMMABLE LIMITS - LEL:	N/A
FLAMMABLE LIMITS - UEL:	N/A
AUTOIGNITION TEMPERATURE: ...	N/A
EXTINGUISHING MEDIA:	Non-combustible. Choose material suitable for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Not applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Not applicable.
NFPA-HAZARD-CODES: HEALTH 0 FIRE 0 REACTIVITY 0	UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable	
INCOMPATIBILITY - MATERIALS TO AVOID:	Not applicable.
HAZARDOUS POLYMERIZATION: Will Not Occur	
HAZARDOUS DECOMPOSITION PRODUCTS:	Not applicable.

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

SOUTH CENTRAL TECH COLL
DENTAL ASSISTING PROGRAM
1920 LEE BLVD
MANKATO, MN 56003

=== MSDS TRACKING INFORMATION ===
MID: 1058623 RELYX LUTING CEMENT PKG
PID: 7770580 CUST: 0186998-004
IMG: I:58623_2 PAGE: 2 of 8

PACKET: 40140-2009

MATERIAL SAFETY
DATA SHEETMSDS: 3505P GLASS IONOMER LUTING CEMENT POWDER
MARCH 1, 1995

PAGE: 2 of 4

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Observe precautions from other sections. Collect spilled material.
Use wet sweeping compound or water to avoid dusting. Clean up
residue. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Send to 3M
Chemolite Plant, Building 47, or to 3M-approved chemical waste
disposal facility.

ENVIRONMENTAL DATA:

No data available.

REGULATORY INFORMATION:

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

6. SUGGESTED FIRST AID**EYE CONTACT:**

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

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

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

IF SWALLOWED:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Avoid eye contact.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

VENTILATION PROTECTION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid breathing of airborne material. Select one of the following

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IMG: I:58623_3 PAGE: 3 of 8

PACKET: 40140-2009

MATERIAL SAFETY
DATA SHEETMSDS: 3505P GLASS IONOMER LUTING CEMENT POWDER
MARCH 1, 1995

PAGE: 3 of 4

7. PRECAUTIONARY INFORMATION (continued)

NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask dust respirator, full-face dust respirator.

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest.

RECOMMENDED STORAGE:
Store in a cool place. Store away from heat. Keep container dry.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
GLASS	10	mg/m ³	TWA	3M	
		as dust			
METHACRYLOXYPROPYLTRIMETHOXY-SILANE ...	NONE	NONE	NONE	NONE	
TITANIUM DIOXIDE	10	mg/m ³	TWA	ACGIH	
TITANIUM DIOXIDE	10	mg/m ³	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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

SKIN CONTACT:

Mechanical skin irritation: signs/symptoms can include itching and redness.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Lung Damage: signs/symptoms can include coughing, difficulty

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IMG: I:58623_4 PAGE: 4 of 8

PACKET: 40140-2009

MATERIAL SAFETY
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PAGE: 4 of 4

8. HEALTH HAZARD DATA (continued)

breathing, wheezing, tightness in chest, congestion, and coughing up
of blood.

IF SWALLOWED:
No adverse health effects are expected from swallowing.

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE AUGUST 22, 1994 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.

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IMG: I:58623_5 PAGE: 5 of 8

PACKET: 40140-2009