

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Niraloid®
Product Number: 806008
Chemical Family: Dental Duplicating Material
CAS Number: Blend

Company Identification

Niranium, Div. of CMP Industries LLC
413 North Pearl Street
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)
1-800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: Primary Routes of Entry. Inhalation, Skin Contact and Eye Contact.

GHS Classification:

Acute Toxicity, Inhalation - Category 5
Skin Corrosion/Irritation-Category 5

GHS Hazard Symbols:

Irritant



EYE:

Vapors or liquids may cause mild irritation with redness and tearing.

SKIN:

Prolonged skin contact may cause mild irritation. Contact with hot material may cause thermal burns.

INHALATION:

Inhalation of mist may cause irritation to the nose, throat, mucous membrane and upper respiratory tract.

INGESTION:



Accidental ingestion of large amounts may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive exposure to glycerin may cause central nervous effect and increased blood sugar levels.

CHRONIC EFFECTS:

No adverse effects expected under normal use. Repeated excessive exposure to glycerin may cause increased fat levels in blood and damage to kidney and liver.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Polyethylene Glycol. No increase in tumor incidence was found in a two year oral feeding study with rats at doses of 5 and 10 g/kg. None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH, or the EU Substance Directive.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with pre-existing eye or skin disorders may be at increased risk from exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
PROPYLENE GLYCOL	20.0 - 50.0 %	57-55-6
SILICA	< 5.0 %	61790-53-2
NON-HAZARDOUS INGREDIENTS	60.0 - 80.0 %	Proprietary

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Consult physician if irritation persists.

SKIN CONTACT FIRST AID:

Wash skin with soap and water. Seek medical attention if irritation develops. Remove and launder clothing before re-use.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and have qualified personnel provide oxygen. Seek medical attention if necessary.

INGESTION FIRST AID:

Do not induce vomiting. Rinse mouth with water and give one glass of water to drink. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

STATEMENT OF PRACTICAL TREATMENT:

Treat symptomatically.



NOTES TO PHYSICIAN:

Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: 370 C (698.0 F)

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Non-flammable. Use appropriate extinguishing media for the surrounding fire.

FIRE & EXPLOSION HAZARDS:

Decomposition may release oxides of carbon, aldehydes, and acrolein.

FIRE FIGHTING INSTRUCTIONS:

Wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

If molten, allow to cool. Scrape up and discard. Use soap and water to clean up residue.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PHYSICAL ASPECTS):

Avoid contact with eyes, skin, and clothing. Avoid breathing mists. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep container closed when not in use.

STORAGE PRECAUTIONS:

Store in a tightly closed container in a cool, dry, well-ventilated location away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

SKIN PROTECTION REQUIREMENTS:



Wear resistant gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

None should be needed for normal use. If the exposure limits are exceeded an approved dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection of use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

MISCELLANEOUS:

General or local ventilation system is recommended.

EXPOSURE GUIDELINES:

PROPYLENE GLYCOL

OSHA TWA: 10 mg/m³

SILICA

OSHA TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Semi-solid gel
COLOR:	Pink
ODOR:	No odor
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	1.10 (Water = 1)
MELTING/FREEZING POINT:	205 F

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

Decomposition may release oxides of carbon, aldehydes and acrolein.

CONDITIONS TO AVOID:

None known..

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS:

Propylene Glycol LD50:> 12,600 mg/kg (Oral Rabbit).

LD50> 10,000 mg/kg (Skin Rabbit).



ACUTE INHALATION EFFECTS:

LC50:>570 mg/m3 (Rat) 1 hour.

REPRODUCTION AND BIRTH EFFECTS:

Propylene Glycol: No effects were observed in a 2 generation study at doses of 0.2 mg/kg per day. No developmental effects were observed in rabbits administered up to 1180 mg/kg in rats or mice administered up to 1310 mg/kg. This product is not expected to cause adverse reproductive effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Acute and Prolonged Toxicity to Fish -LC50:. 5,000 mg/L (Goldfish), 24 hr.

Acute Toxicity to Aquatic Invertebrates -EC50:. 10,000 mg/L (Daphnia magna), 48 hr.

ENVIRONMENTAL FATE:

Persistence and Degradability. Propylene Glycol is readily biodegradable (63% after 14 days).

Bio-accumulative Potential-Propylene Glycol is not expected to bio-concentrate in fish and aquatic organisms.

MISCELLANEOUS:

Mobility in Soil -Very high mobility in soil.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	Niraloid®
D.O.T. SHIPPING NAME:	Non-toxic, Non-hazardous
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	Non-Hazardous
UN NUMBER:	N/A

MISCELLANEOUS:

Transport Hazard Classes -ARD/RID, IMDG, IATA, DOT-NONE.

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:

Irritant (Xi)





R-Phrases:

R20/21/22 - Harmful by inhalation, in contact with skin, and if swallowed.
R36/37/38 - Irritating to eyes, respiratory system, and skin.

S-Phrases:

S25 - Avoid contact with eyes.

WHMIS Hazard Symbols:

None

CA Proposition 65

SILICA (61790-53-2)

MISCELLANEOUS INFORMATION:

This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

16. OTHER INFORMATION

REASON FOR ISSUE:	Update
PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	April 1, 2015
SUPERCEDES DATE:	November 13, 2013
RTN NUMBER:	00000027 (Official Copy)

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 0

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END OF SAFETY DATA SHEET

