

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Niraseal Pattern Adhesive - liquid  
Product Number: 807004  
Chemical Name: Acrylic liquid (Monomer)  
Chemical Family: Methyl Methacrylate  
CAS Number: Blend

### Company Identification

Niranium Co., Div. of CMP Industries LLC  
413 North Pearl St  
Albany, NY 12207-1311 USA  
(518)-434-3147 (For product information)  
(800)-424-9300 (For emergencies)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
METHYL METHACRYLATE	99.0 %	80-62-6

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### **HAZARDS DISCLOSURE**

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute, chronic hazards.



### 3. HAZARDS IDENTIFICATION

```
***** EMERGENCY OVERVIEW *****
*
* CAUTION
*
* Prolonged exposure may cause kidney and liver
* damage.
*
*****
```

#### POTENTIAL HEALTH EFFECTS

**EYE:**

Causes slight eye irritation.

**SKIN:**

Moderate irritation and sensitization.

**INHALATION:**

May be irritating to the nose and throat.

**INGESTION:**

May be irritating to mouth, throat, and stomach. Ingestion is not considered a potential route of exposure.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Signs of prolonged exposure will cause nausea, headache, drowsiness and unconsciousness.

**CHRONIC EFFECTS:**

Damage to the kidneys, liver and allergic skin reaction.

**REPRODUCTIVE HAZARDS:**

None.

**CARCINOGENICITY INFORMATION:**

No known cancer hazards.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Individuals with pre-existing skin disorders may be more susceptible to severe irritation and possible sensitization.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes. Contact a physician.



(section 4 continued)

**SKIN CONTACT FIRST AID:**

Immediately wash skin with soap and plenty of water.

**INHALATION FIRST AID:**

If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Seek medical attention.

**INGESTION FIRST AID:**

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Contact a physician.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: 10 C (50.0 F)

Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: 2.1 %

UEL: 12.5 %

**FLAMMABLE PROPERTIES:**

Vapors can travel to a source of ignition and flash back. Heat can cause polymerization. Heated containers can explode.

**EXTINGUISHING MEDIA:**

Polar solvent (alcohol) foam, carbon dioxide, dry chemical and water spray.

**FIRE & EXPLOSION HAZARDS:**

Vapors can travel to a source of ignition and flash back.

**FIRE FIGHTING INSTRUCTIONS:**

Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Wear appropriate personal protective equipment.



(section 6 continued)

**LARGE SPILLS PROCEDURE:**

Contain spills immediately with inert materials (e.g sand, earth, etc). Transfer liquids to solid diking material to separate suitable containers for recovery or disposal. Contaminated monomer may be unstable. Add inhibitor to prevent polymerization.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water. Spills on porous surfaces can contaminate groundwater.

**SMALL SPILLS PROCEDURE:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

Use care in handling/storage. Wash hands thoroughly after handling.

**HANDLING (PHYSICAL ASPECTS):**

Store in a cool dry area. Store out of direct sunlight. Avoid extreme temperatures. Material can burn. Limit indoor storage to approved areas with sprinklers. Use monomer within 1 year.

**STORAGE PRECAUTIONS:**

Store in a cool dry place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

If user operations generate fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**EYE / FACE PROTECTION REQUIREMENTS:**

Chemical goggles are recommended to avoid contact with eyes.

**SKIN PROTECTION REQUIREMENTS:**

Wear butyl rubber gloves to minimize skin contamination. Wash hands thoroughly after handling.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Wear NIOSH/MSHA approved 1/2 mask air - purifying respiratory if airborne concentrations are up to 10X the TLV's.



(section 8 continued)

**MISCELLANEOUS:**

Local exhaust is good. Als wear chemically resistant apron or other impervious clothing.

**EXPOSURE GUIDELINES:**

**METHYL METHACRYLATE**

OSHA PEL: 100 ppm, 410 mg/m<sup>3</sup>

OSHA TWA: 100 ppm, 410 mg/m<sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Liquid  
COLOR .....: Clear  
ODOR .....: Fruity  
BOILING POINT .....: 101 C  
VAPOR PRESSURE .....: 29 mm Hg @ 20 C  
VAPOR DENSITY .....: 3.5 (Air = 1)  
SOLUBILITY IN WATER ...: Moderate  
SPECIFIC GRAVITY .....: .94 (Water = 1)  
% VOLATILES .....: 100 %  
EVAPORATION RATE .....: > 1

**10. STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

May react with acids, bases, oxidizing agents, reducing agents and UV light.

**DECOMPOSITION:**

Not determined.

**11. TOXICOLOGICAL INFORMATION**

**CHRONIC EFFECTS /:**

May cause respiratory disease.



(section 11 continued)

**METHYL METHACRYLATE**

Test Code: Oral LD50  
Species: RAT  
Results: 7872 mg/kg

Test Code: LC50  
Species: Rat  
Results: 3750 ppm

Test Code: TCLO  
Species: Human  
Results: 125 ppm

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:**

Dispose of waste material in accordance with all local, state/provincial, and national requirements.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: Niraseal Pattern Adhesive - liquid  
D.O.T. SHIPPING NAME .....: Methy Methacrylate, Inhibited  
TECHNICAL SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS .....: Flammable Liquid  
UN NUMBER .....: N/A

**15. REGULATORY INFORMATION**

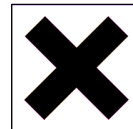
**REGULATORY LISTS SEARCHED:**

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL
09 = CANADIAN WHMIS	10 = OSHA Ceiling

**EEC Symbols and Indications of Danger:**

Harmful (Xn), Irritant (Xi)





**R-Phrases:**

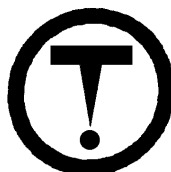
R20/21/22 - Harmful by inhalation, in contact with skin, and if swallowed.  
R36/37/38 - Irritating to eyes, respiratory system, and skin.

**S-Phrases:**

S24/25 - Avoid contact with skin and eyes.  
S28 - After contact with skin, wash immediately with plenty of soap and water.

**WHMIS Hazard Symbols:**

Class D2 - Materials Causing Other Toxic Effects



**Canadian Disclosure List**

METHYL METHACRYLATE (80-62-6)

**SARA Title III - Section 313**

METHYL METHACRYLATE (80-62-6)

**CERCLA Hazardous Substances**

METHYL METHACRYLATE (80-62-6) -- RQ 1000 lb

**RCRA Hazardous Substances**

METHYL METHACRYLATE (80-62-6) -- RCRA Code: U162

**Title V**

METHYL METHACRYLATE (80-62-6)

**SC Toxic Air Pollutants List**

METHYL METHACRYLATE (80-62-6)



**16. OTHER INFORMATION**

PREPARED BY .....: Phyll Tabone  
APPROVED BY .....: John Nicpon  
TITLE .....: Quality Manager  
APPROVAL DATE .....: September 28, 2007  
SUPERCEDES DATE ...: February 5, 2007  
MSDS NUMBER .....: 807004  
RTN NUMBER .....: 00000030 (Official Copy)

**ABBREVIATIONS USED IN THIS MSDS:**

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Limit
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

\*\*\*\*\*  
This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of CMP Industries Inc. The data on this sheet are related only to the specific material designated herein. CMP Industries Inc assumes no legal responsibility for use or reliance upon these data.

\*\*\*\*\*  
**END OF MSDS**  
\*\*\*\*\*

