

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: New Improved Yellow Stripe Investment
Product Number: 2044
Chemical Name: Silicon Dioxixde
Chemical Family: Silica Sand
CAS Number: Blend

Company Identification

Tecnadent-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 1-202-483-7616 (CHEMTREC)

2. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* WARNING *
*
* Cancer hazard. Prolonged exposure may cause severe *
* lung damage. *
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EYE:

Causes eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

May be slightly irritating to respiratory tract.



(section 2 continued)

SIGNS AND SYMPTOMS OF EXPOSURE:

Undue breathlessness, cough, sputum production. Dyspena - caused by many lung scars that develop from silica dust - chest pain, decrease in vital capacity and cough.

CHRONIC EFFECTS:

Repeated and prolonged exposure may lead to delayed injury to the lungs (Silicosis).

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Crystalline Quartz (Silica) is listed by IARC as a carcinogen.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with impaired pulmonary function should not be subjected to excessive airborne concentrations.

MISCELLANEOUS:

Chronic lung scarring leads to progressive massive fibrosis that is often accompanied by increase susceptibility to the risk of impaired health due to a combination of smoking & silica dust exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
SILICA, CRYSTALLINE QUARTZ	98.0 %	14808-60-7
MAGNESIUM OXIDE	2.0 %	1309-48-4

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.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes.

SKIN CONTACT FIRST AID:

Wash skin with soap and water.



(section 4 continued)

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen. Seek medical attention.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

FLAMMABLE PROPERTIES:

Not Flammable.

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

FIRE & EXPLOSION HAZARDS:

None.

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.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

Clean - up with dustless method (use vacuum or wet sweeping) provide ventilation.



(section 6 continued)

SMALL SPILLS PROCEDURE:

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

7. HANDLING AND STORAGE

HANDLING (PHYSICAL ASPECTS):

Provide appropriate ventilation. Use dustless system of storage & handling. Use good housekeeping techniques.

STORAGE PRECAUTIONS:

Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

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

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles/safety glasses are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear impervious gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder
COLOR: off White or Pink
ODOR: None
BOILING POINT: 4000 F
SOLUBILITY IN WATER ...: Insoluble
SPECIFIC GRAVITY: 2.7 (Water = 1)



10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Reacts with Hydrochloric acid to generate volatile, corrosive gas. May be attacked by strong alkalis. Contact with powerful oxidizing agents may cause fires.

CONDITIONS TO AVOID:

When exposed to high temperatures may change crystalline structure to form tridymite (above 870°C) or cristobalite (above 1470°C).

11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS /:

May cause respiratory disease.

SILICA, CRYSTALLINE QUARTZ

Test Code: TCLO

Species: Human

Results: 6 mppcf/17.9 yrs. produces pulmonary fibrosis, cough and difficult breathing.

MAGNESIUM OXIDE

Test Code: TCLO

Species: Human

Results: 400 mg/kg

Test Code: LCLO

Species: Human

Results: 300 micrograms/m³/10 yr effects the liver.

12. ECOLOGICAL INFORMATION

MISCELLANEOUS:

Dike and contain spill with absorbent material such as clay or commercial absorbent.



13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORT INFORMATION

PRODUCT LABEL: New Improved Yellow Stripe Investment
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Non-Flammable Solid
UN NUMBER: N/A

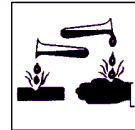
15. REGULATORY INFORMATION

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:

Irritant (Xi), Corrosive (C)



R-Phrases:

R36/37 - Irritating to eyes and respiratory system.

S-Phrases:

S22 - Do not breathe dust.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



(section 15 continued)

Canadian Disclosure List

SILICA, CRYSTALLINE QUARTZ (14808-60-7)
MAGNESIUM OXIDE (1309-48-4)

SARA Title III - Section 313

SILICA, CRYSTALLINE QUARTZ (14808-60-7) --

CA Proposition 65

SILICA, CRYSTALLINE QUARTZ (14808-60-7)

16. OTHER INFORMATION

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TITLE: Quality Manager
APPROVAL DATE: November 1, 2013
SUPERCEDES DATE ...: March 2, 2007
RTN NUMBER: 00002037 (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

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END OF MSDS

