

MATERIAL SAFETY DATA SHEET

ROAD PATCH

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Umaco Inc.
60 Rear Newhall Street
Lowell, Ma. 01852

PRODUCT NAME: ROAD PATCH
GENERAL ID : A RAPID SETTING POLYMER
MODIFIED PATCHING MATERIAL
USED TO RESTORE CONCRETE
SUBSTRATES UP TO 2" THICK

Emergency Phone (Chemtrec) 1-800-424-9300
Informational Phone (Umaco) 1-978-453-8881
Date Prepared: 1 / 28 / 05

2. HAZARDOUS INGREDIENTS/ IDENTITY- SECTION 313 SUPPLIER NOTIFICATION- THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR 372

Hazardous Components	Osha/Pel	Acgih	Other	WT. %	
CAS #	Ingredient	TLV	Limits		
14808-60-7	Silica, Crystalline Quartz	10mg/cubic m	0.1mg/cubic m	0.05mg/cubic m	60

3. HEALTH HAZARDS IDENTIFICATION (ACUTE & CHRONIC)

Routes of entry: Inhalation: yes Skin: yes Ingestion: yes

Health Hazards (Acute and Chronic):

Acute: Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and lead to death.

Chronic: Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis)

Ingestion: N.E. **Inhalation:** Causes irritation to the respiratory tract. **Skin and Eyes:** Causes irritation to the skin and upper respiratory system

Carcinogenicity: NTP: No IARC MONOGRAPHS YES OSHA REGULATED No

Signs and Symptoms of Exposure: Coughing, shortness of breath, irritation to the eyes and upper respiratory system. Material can dry skin and cause alkali burns.

Medical Conditions Generally Aggravated by Exposure:

Lung disease, bronchitis, emphysema, chronic obstructive pulmonary disease

4. EMERGENCY FIRST AID PROCEDURES

Eyes: Flush with clean water for 15 minutes. If irritation persists **Seek immediate medical attention**

Skin: Wash skin with soap and water. If irritation persists **Seek immediate medical attention.**

Inhalation: Remove victim to fresh air away from dust. Provide oxygen if needed. **Seek immediate medical attention.**

Ingestion: Do not induce vomiting!! Drink plenty of water. Should vomiting occur be sure to keep victim's head below the hips to prevent aspiration of vomit into the lungs. **Seek immediate medical attention.**

5. FIRE FIGHTING MEASURES

Flash point none

Flammable Limits LEL n/a

Method Used n/a

UEL n/a

Extinguishing Media: none

Special Fire Fighting Procedures: none

Unusual Fire and Explosion Hazards: none

6. ACCIDENTAL RELEASE MEASURES

Clean up with vacuum or other dustless method

7. HANDLING AND STORAGE:

Store in a tightly closed container within a dry area (away from moisture). Avoid rough handling which may break bags.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Use only NIOSH or MSHA approved respirators

Protective Gloves: Recommended

Eye Protection: Recommended, preferably tight fitting goggles

Other Protective Clothing: Boots and overalls recommended to protect clothing

Hygienic/Work Practices: Remove and wash soiled clothing and shoes. Wash hands thoroughly before eating or smoking

Ventilation: Local Exhaust needed in dusty conditions

9. PHYSICAL & CHEMICAL PROPERTIES

Boiling point N/A Vapor Pressure N/A Vapor Density N/A Melting Point N/A

Evaporation Rate (Butyl Acetate = 1) N/A Solubility in Water < 1%

Appearance and Odor Fine Powder and granular material, gray color, no odor

10. STABILITY & REACTIVITY

Stability: Unstable Stable X Hazardous Polymerization: May Occur May Not Occur X

Conditions to Avoid: Keep material dry until used

Incompatibility: Silica reacts with oxidizers such as fluorine, chlorine, trifluorides and oxygen difluoride. May cause fire if product comes in contact with these chemicals. Avoid contact with boric oxide and acids.

Hazardous Decomposition: Dissolved by hydrofluoric acid producing corrosive silicon tetrafluoride gas.

11. TOXICOLOGICAL INFORMATION

See sections 2 and 3 for specific toxicological information for ingredients of this product.

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Can be salvaged for use if not contaminated or removed as a common waste. Refer to latest Federal, State and local disposal regulations

14. TRANSPORTATION INFORMATION

Not regulated

15. REGULATIONS

This MSDS has been prepared in accordance with the Federal OSHA Hazard Communication Standard 29CFR 1910.120

All components of this product are listed on the Toxic Substance Inventory or are excluded from listing requirements.

16. OTHER INFORMATION / SAFETY PHRASES

KEEP OUT OF THE REACH OF CHILDREN. Read all instructions before using this product.

Use NIOSH or MSHA approved respirator in dust environments.

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