

M A T E R I A L S A F E T Y D A T A S H E E T

Dow Chemical U.S.A.* Midland, MI 48674 Emergency Phone: 517-636-4400

Product Code: 02450

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PRODUCT NAME: ROVEL (R) 701 STONE GRAY WEATHERABLE POLYMER

Effective Date: 03/20/88 Date Printed: 02/11/89

MSDS:001947

1. INGREDIENTS: (% w/w, unless otherwise noted)

SAN-grafted EPDM copolymer	CAS# 032069-92-4	20-50%
Styrene acrylonitrile copolymer	CAS# 009003-54-7	50-80%
Titanium dioxide,	CAS# 001317-80-2	0- 5%
Carbon black	CAS# 001333-86-4	0- 5%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: Not applic.
VAP. PRESS: Not applic.
VAP. DENSITY: Not applic.
SOL. IN WATER: Insoluble
SP. GRAVITY: 0.98-1.07
APPEARANCE: White, tan or colored solid.
ODOR: No odor.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Not applic.
METHOD USED: Not applic.

FLAMMABLE LIMITS
LFL: Not applic.
UFL: Not applic.

EXTINGUISHING MEDIA: Water fog, foam, CO2, dry chemical.

FIRE & EXPLOSION HAZARDS: Toxic gases liberated under fire conditions.

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3. FIRE AND EXPLOSION HAZARD DATA: (CONTINUED)

FIRE-FIGHTING EQUIPMENT: Wear positive pressure, self-contained breathing apparatus.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Polymer decomposes at 325C, 617F.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Products of combustion are HCN, oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up and dispose. Granules may cause a slipping hazard.

DISPOSAL METHOD: Dispose in accordance with applicable federal, state and local regulations.

6. HEALTH HAZARD DATA:

EYE: Possible mechanical injury only.

SKIN CONTACT: Possible mechanical injury only.

SKIN ABSORPTION: Skin absorption is unlikely due to physical properties.

INGESTION: Single dose oral toxicity is believed to be low. May

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MATERIAL SAFETY DATA SHEET

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6. HEALTH HAZARD DATA: (CONTINUED)

cause choking if swallowed. Considered to be physiologically inert.

INHALATION: Vapors are unlikely due to physical properties. .
Dust may cause irritation to upper respiratory tract.

SYSTEMIC & OTHER EFFECTS: No specific data available, however, repeated exposures are not anticipated to cause any significant adverse effects.

7. FIRST AID:

EYES: Irrigate immediately with water for at least 5 minutes.
Mechanical irritation only.

SKIN: No adverse effects anticipated by this route of exposure.

INGESTION: No adverse effects anticipated by this route of exposure.

INHALATION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S): Although no specific guideline has been established for this material, OSHA TWA's have been established for some of the proprietary colorants present in small concentrations. Due to the fact that the colorants are encapsulated in a polymer matrix, exposure levels will be extremely low and are believed to be non-hazardous. Exposures to the polymer dust should be below the guideline for nuisance particulates (ACGIH TLV is 10 mg/m³ total, 5 mg/m³ respirable.)

VENTILATION: Good general ventilation should be sufficient.

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8. HANDLING PRECAUTIONS: (CONTINUED)

RESPIRATORY PROTECTION: Use approved dust mask or respirator in dusty atmospheres when necessary.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

EYE PROTECTION: Use safety glasses.

9. ADDITIONAL INFORMATION:

REGULATORY REQUIREMENTS:

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Practice reasonable care and cleanliness. Ventilation should be provided at processing machinery to control fumes. Use dust mask or respirators when necessary.

MSDS STATUS: Revised Section 9.

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