



SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Type: Malarkey Roof Coatings and Adhesives

Trade Name: 824 RCap™ Touch-Up

Use: Water-thinned paint; field applied

Emergency Contact: CHEMTREC®:
1-800-424-9300 (24 HOUR)

Manufacturer:

Malarkey Roofing Products
P.O. Box 17217
3131 N. Columbia Blvd.
Portland, OR 97217
Phone: 503-283-1191
www.malarkeyroofing.com

2 HAZARD(S) IDENTIFICATION

Primary routes of exposure: Eye contact, skin contact, inhalation, ingestion

HAZARD STATEMENTS (Potential Acute Exposure Effects)

- **Eyes:** May cause slight irritation.
- **Skin:** May cause mild irritation.
- **Inhalation:** May cause irritation of respiratory tract.
- **Ingestion:** May be harmful if swallowed.

PRECAUTIONARY STATEMENTS (Overexposure Signs/Symptoms)

- **Eyes:** Watering, redness or irritation
- **Skin:** Irritation, dryness
- **Inhalation:** Respiratory tract irritation, coughing
- **Ingestion:** No specific data

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	Ingredient %
Calcium Carbonate	1317-65-3	30 - 35
Titanium Dioxide	13463-67-7	5 - 10
Zinc Oxide	1314-13-2	0 - 5

4 FIRST-AID MEASURES

Eye contact: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water.

Inhalation: Move to fresh air. Seek medical attention if symptoms continue.

Ingestion: Do not induce vomiting. Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

Flash point: This product is not flammable.

Extinguishing media: Use foam, carbon dioxide, dry powder, water fog, or an extinguishing agent appropriate for the surrounding fire.

Unusual fire or explosion hazards: Closed containers may rupture or explode when exposed to extreme heat (due to buildup of pressure). Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Protective equipment: Firefighters should wear self-contained breathing apparatus and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

Precautions if material is spilled or released: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Prevent further leakage or spillage.

Waste disposal methods: Soak up with inert absorbent material and transfer to a suitable container for proper disposal.

7 HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray mists or sanding dust. Provide adequate ventilation. Wear appropriate respiratory equipment if ventilation is inadequate. Wash thoroughly after handling.

Storage: Keep container closed when not in use. Transfer only to properly labeled containers. Keep out of reach of children.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	OSHA		ACGIH
	TWA	STEL	TWA
Calcium Carbonate ^d	15 mg/m ³	NE	10 mg/m ³
Titanium Dioxide ^d	15 mg/m ³	NE	10 mg/m ³
Zinc Oxide	15 mg/m ³	NE	10 mg/m ³

NE = Not Established

^d = Hazardous as dust when product is sanded

Engineering measures: Use only in well ventilated areas. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye / face protection: Wear safety glasses or goggles.

Skin protection: Protective gloves and impervious clothing

Respiratory protection: If exposure cannot be controlled below acceptable limits by ventilation, use an appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure the respirator will provide adequate protection. Read and follow all manufacturers' instructions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Various

Odor: Little or no odor

Vapor pressure: Not available

Odor threshold: Not available

Vapor density: Not available

pH: 8 - 10

Density: 12.1 (lbs/gal)

Viscosity: 98 - 103 KU

Melting / freezing point: Not available

Solubility (water): Not available

Boiling point / range: Not available

Flash point: Not available

Evaporation rate (Butyl Acetate = 1.0): <1

Upper flammability limit: Not available

Lower flammability limit: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: None known

Materials to avoid: Strong oxidizing agents and strong acids

Hazardous decomposition products: None under normal use

Hazardous polymerization: None under normal conditions

11 TOXICOLOGICAL INFORMATION

Acute effects:

Titanium Dioxide:	Oral LD50 (rat):	>10,000 mg/kg
	Dermal LD50 (rabbit):	>10,000 mg/kg
	Inhalation LC50 / 4 hour (rat):	>6.8 mg/l

The following component data is provided for user information:

In February 2006, IARC concluded, "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." IARC's Monograph 93 reports there is sufficient evidence of carcinogenicity in rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans. It is an IARC Group 2B listed material. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

12 ECOLOGICAL INFORMATION

No data available.

13 DISPOSAL CONSIDERATIONS

Disposal instructions: Do not allow material to drain into sewers/water supplies. Dispose of in accordance with all federal, state and local regulations. Consider recycling.

14 TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods

IATA: Not regulated as dangerous goods

15 REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): All materials are listed or exempt.

16 OTHER INFORMATION

HMIS RATING

HEALTH: 1
FLAMMABILITY: 0
PHYSICAL HAZARD: 0
PERSONAL PROTECTION: A



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