Material Safety Data Sheet

24 Hour Assistance
1-847-367-7700
Rust-Oleum Corporation
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Section 1 – Chemical Product / Company Information

Product Name	R-O 1-GL KIT 2PK CONCRETE FLOOR RENEWAL	Revision Date	March 1, 2012
Identification Number	265054		
Product Use/Class	Concrete Repair/Maintenance		
Supplier	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer	Regulatory Department		

Section 2 – Hazards Identification

*** Emergency Overview ***
Gray powder. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Effects Of Overexposure - Eye Contact: Direct contact may cause severe irritation. ay cause mechanical irritation or abrasion, and possible chemical burns. May cause temporary injury.

Effects Of Overexposure - Skin Contact: May cause severe irritation. May cause dryness, cracking, irritation, and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hydroscopic and abrasive properties.

Effects Of Overexposure - Inhalation: Dust may irritate nose and throat. Dust irritating to the respiratory tract.

Effects Of Overexposure - Ingestion: May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Effects Of Overexposure - Chronic Hazards: No Information.

Aggravated Medical Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects: Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis, may result from breathing free silica.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Silica, Crystalline, Quartz	14808-60-7	85%	0.025 mg/m^3 [Respirable Dust]	N.E	0.1 mg/m^3 [Respirable Dust] 0.3 mg/m^3 [Total Dust]	5 mg/m^3 [Respirable Dust] 15 mg/m^3 [Total Dust]
Portland Cement	65997-15-1	40%	1 mg/m^3 [Respirable Dust]	N.E.	N.E.	5 mg/m^3 [Respirable Dust] 15 mg/m^3 [Total Dust]
Fly Ash	68131-74-8	7.0%	N.E.	N.E.	5 mg/m^3 [Respirable Dust] 15 mg/m^3 [Total Dust]	N.E.
Vinyl Acetate Copolymer	Proprietary	5.0%	N.E.	N.E.	N.E.	N.E.
Calcium Sulfate	7778-18-9	5.0%	10 mg/m^3 [Respirable Dust]	N.E.	N.E.	N.E.

Section 4 – First Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

First Aid - Ingestion: Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

Section 5 – Fire Fighting Measures

Flash Point N.A.

Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog

Unusual Fire And Explosion Hazards: N.A. This material is not expected to ignite under normal conditions.

Special Firefighting Procedures: This material is not expected to burn.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released or Spilled: Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

Section 7 – Handling and Storage

Handling: Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

Storage: Store in sealed containers in a cool, dry, ventilated warehouse location.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain dust levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking, or smoking.

Section 9 – Physical and Chemical Properties

Vapor Density	N.A.	Odor:	None
Appearance:	Gray Powder	Evaporation Rate:	N.A.
Solubility in Water:	Insoluble	Freeze Point:	N.A.
Specific Gravity:	2.8	pH:	N.A.
Physical State:	Solid	Percent Volatiles	0

Section 10 – Stability and Reactivity

Conditions To Avoid: Avoid contact with strong acids and strong bases.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 – Toxicological Information

Chemical Name	**LD_{50}**	**LC_{50}**

Silica, Crystalline, Quartz	500 mg/kg (Rat, Oral)	>250 mg/m^3 (Rat, Inhalation)
Portland Cement	2000 mg/kg	N.E.
Fly Ash	2300 mg/kg	N.E.
Sodium Sulfate	>3000 mg/kg	N.E.

Section 12 – Ecological Information

No Data Available

Section 13 – Disposal Information

Disposal Information: Not regulated under RCRA. Dispose of material in accordance to local, state and federal regulations and ordinances.

Section 14 – Transportation Information

	Domestic (USDOT)	International (IMDG)	Air (IATA)
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	N.A.	N.A.	N.A.
UN Number:	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No

Section 15 – Regulatory Information

CERCLA – SARA Hazard Category

This product has been reviewed according to the EPA ñHazard Categoriesò 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:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

There are no TSCA 12(b) chemicals in this product.

International Regulations:

Canadian WHMIS Class: D2A

Section 16 – Other Information

HMIS Ratings: Health: 1* Flammability: 0 Physical Hazard: 0 PPE: X

NFPA Ratings: Health: 1 Flammability: 0 Instability: 0

Volatile Organic Compounds, g/L: 0 g/L

Reason for Revision: Regulatory Update

Abbreviations: N.A. ï Not Applicable N.D. ï Not Determined N.E. ï Not Established

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the usersô consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.