

# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS)*

## 1. Product and Supplier Identification

**Product:** Re-Do-It

**Product Use:** Concrete re-surfacing system

**Supplier:** Stampcrete International, Ltd.  
325 Commerce Blvd.,  
Liverpool, New York, USA, 13088  
Emergency Telephone: Chem-Tel Inc. (800) 255-3924 / (813) 248-0573

**Manufacturer:** True Lasting Colors, Ltd., 335 Commerce Blvd., Liverpool, NY 13088

## 2. Composition

Component	% (w/w)	Exposure Limits
Silica, fumed, amorphous (CAS No.69012-64-2), and Silica, quartz (CAS No.14808-60-7)	18-22	ACGIH TLV-TWA 2 mg/m <sup>3</sup>  ACGIH TVL-TWA 0.05 mg/m <sup>3</sup> (suspected human carcinogen, pulmonary fibrosis, silicosis)
Calcium oxide (CAS No. 1305-78-8) Magnesium oxide (CAS No. 1309-48-4) Calcium Sulphate (CAS No. 7778-18-9)	30-35	ACGIH TLV-TWA 2 mg/m <sup>3</sup> (total respirable dust), irritation ACGIH TLV-TWA 10 mg/m <sup>3</sup> (total respirable dust), irritation ACGIH TLV-TWA 10 mg/m <sup>3</sup> (total respirable dust), irritation
Calcium Carbonate (CAS No. 1317-65-3)	23-27	ACGIH TLV-TWA 10 10 mg/m <sup>3</sup> (total respirable dust), irritation

## 3. Hazards Identification

**Routes of Entry:** (under normal conditions of use)

Skin Contact: Moderate Eye Contact: Moderate Ingestion: Moderate Inhalation: Moderate

### **EMERGENCY OVERVIEW:**

Corrosive. Material can abrade skin and cause painful irritation of the eyes. Avoid methods of use that cause dusts.

**Effects of Short-Term (Acute) Exposure:**

**Inhalation:** Dust may irritate the nose throat and upper respiratory tract causing coughing, laboured breathing, and dizziness.

**Skin Contact:** Corrosive to the skin, causing stinging in open cuts and sores. If contact is allowed to persist, redness caused by mild burns may occur.

**Eye Contact:** Corrosive to the eyes upon contact. In addition, irritation from "foreign" matter in the eye may cause scratching of the surface of the eye.

**Ingestion:** If ingested in large quantities, product may cause gastrointestinal disturbances including nausea, vomiting and abdominal pain.

**Effects of Long-Term (Chronic) Exposure:**

This product contains a small quantity of crystalline silica, which has been listed as a suspected human carcinogen. Inhalation into the lungs may, in time, cause silicosis, pneumoconiosis, and pulmonary fibrosis. Repeated skin contact may cause dermatitis in normal skin, and may cause severe rashes in those predisposed to skin problems.

**Medical Conditions Aggravated By Exposure:**

Pre-existing respiratory and skin disorders.

**HMIS® III (HAZARDOUS MATERIALS INFORMATION SYSTEM) HAZARD INDEX:**

HEALTH: 2 - Temporary or minor injury may occur

FLAMMABILITY: 0 - Will not burn.

PHYSICAL HAZARD: 1 - Normally stable, but can become unstable at high temperatures and pressures. May react non-violently with water.

## 4. First Aid Measures

**Inhalation:** Take precautions to ensure your own safety before attempting rescue. Wear appropriate personal protective equipment and use the 'buddy' system. Remove victim to fresh air. If breathing has stopped, begin artificial respiration, or if the heart has stopped, begin cardiopulmonary resuscitation (CPR) immediately. Oxygen should be administered by a trained person. Ensure victim is completely at rest - allow no physical exertion. Immediately transport victim to an emergency medical facility if victims condition indicates.

**Ingestion:** Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or is convulsing. Have victim rinse mouth thoroughly with water. **Do not induce vomiting.** Have victim drink 300 mL (10 oz.) of water. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration. Repeat administration of water. Immediately transport to emergency medical facility.

**Skin Contact:** Avoid direct contact. Wear impervious protective gloves if necessary. Immediately flush contaminated areas with lukewarm, gently running water. If irritation occurs and/or persists, seek medical attention. Decontaminate clothing, shoes and leather goods before reuse or discarding.

**Eye Contact:** Immediately flush contaminated eye(s) with lukewarm, gently running water for at least 15 minutes while holding the eyelid(s) open. Take care not to rinse contaminated water into a non-affected eye. Neutral saline solution may be used for flushing if available. If eye irritation persists, transport victim to a medical facility.

**General Comments:** Provide general supportive measures (comfort, warmth, rest). Seek medical attention for all exposures except minor instances of inhalation or skin contact.

## 5. Fire Fighting Measures

<b>Flash point:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable. See information under "Fire Fighting Instructions"
<b>Lower Explosive Limit:</b>	Not applicable
<b>Upper Explosion Limit:</b>	Not applicable
<b>Sensitivity to Impact:</b>	Not sensitive
<b>Sensitivity to Static Discharge:</b>	Not sensitive

**Hazardous Combustion Products:** None. See Hazardous Decomposition Products in Section 10, for information on thermal decomposition.

**Extinguishing Media:** No specific recommendation. Use media to suppress surrounding fire.

**Fire Fighting Instructions:** Wear adequate personal protective equipment. Use water to keep fire-exposed containers cool to prevent rupture.

## 6. Accidental Release Measures

**Personal Protection:** Evacuate unnecessary personnel from spill area and wear appropriate personal protective equipment.

**Environmental Precautions:** Implement spill control plan. Stop or reduce leak if safe to do so. Prevent from entering sanitary or storm sewers, waterways, or confined spaces.

**Remedial Measures:** Restrict access to area until completion of cleanup and ensure cleanup is conducted by trained personnel only. Use vacuum suction with HEPA filters to clean up spilled material. Use wet sweeping or a dust suppressant where sweeping is necessary. Collect spilled materials and place into appropriate containers for disposal. Do not allow water to contact material or penetrate containers.

## 7. Handling and Storage

**Handling Procedures:** When handling product, ensure that methods use do not create airborne dust. Keep containers closed when not in use, or when stored or not in use. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products.

**Storage:** Store in a cool, dry, well-ventilated area. Store away from incompatible materials such as strong acids. Empty containers may contain hazardous residues. Keep storage area separate from populated work areas.

## 8. Exposure Controls, Personal Protection

**Engineering Controls:** Use general or local exhaust ventilation to maintain exposure below the exposure limits.

**Respiratory Protection:** If respiratory protection is required, NIOSH recommends for crystalline silica in air:

Up to 0.5 mg/m<sup>3</sup>: Any air purifying respirator with a high efficiency particulate filter.

Up to 1.25 mg/m<sup>3</sup>: Any powered, air-purifying respirator with a high efficiency particulate filter, or any supplied air respirator operated in a continuous flow mode.

## Re-Do-It

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Up to 2.5 mg/m<sup>3</sup>: Any air purifying, full facepiece respirator with a high efficiency particulate filter, or any powered, air purifying respirator with a tight fitting facepiece and a high efficiency particulate filter.

Up to 25 mg/m<sup>3</sup>: Any supplied air respirator operated in a pressure demand or other positive pressure mode, or any self contained breathing apparatus that has a full facepiece and is operated in a pressure demand or other positive pressure mode.

**Skin protection:** Wear leather or neoprene gloves with canvas backing and/or other protective clothing according to circumstances.

**Eye and Face Protection:** Eye protection is required. Chemical safety goggles are recommended. The wearing of contact lenses is not recommended.

**Footwear:** As required by worksite rules, but impervious.

**Other:** Have a safety shower and eye wash station readily available in the immediate work area.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	White or gray	<b>Freezing Point</b>	Not applicable
<b>Odor:</b>	Odourless	<b>Boiling Point:</b>	Not applicable
<b>Odor Threshold:</b>	Not determined	<b>Critical Temperature:</b>	Not applicable
<b>pH:</b>	10-11 (water supernatant)	<b>Relative Density:</b>	~ 2.2 (water = 1)
<b>Vapor Pressure:</b>	Nil	<b>Partition Coefficient:</b>	No data
<b>Solubility:</b>	Negligible	<b>Evaporation Rate:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable		

## 10. Stability and Reactivity

**Chemical Stability:** Stable under normal conditions. Will react with water to produce polymerized silicates and calcium oxide.

**Incompatibility:** Avoid contact with strong acids.

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

**Acute Exposure:** The theoretical LD<sub>50</sub> (rat/oral) for Color Hardener is not determined.

<b>Chronic Exposure:</b>	See Section 3.
<b>Exposure Limits:</b>	See Section 2.
<b>Irritancy:</b>	See Section 3.
<b>Sensitization:</b>	See Section 3.
<b>Carcinogenicity:</b>	No
<b>Teratogenicity:</b>	No
<b>Reproductive toxicity:</b>	Not available
<b>Mutagenicity:</b>	None
<b>Synergistic products:</b>	None reported.

## 12. Ecological Information

**Environmental toxicity:** Not expected to be toxic to aquatic life.

**Biodegradability:** No.

## 13. Disposal Considerations

Place used and contaminated material and packagings into suitable containers. Review and follow all local, state, and national regulations.

## 14. Transport Information

**Department of Transport (49 CFR):** Not regulated.

**International Air Transport Association (IATA):** Not regulated.

**International Maritime Organization (IMO):** Not regulated.

## 15. Regulatory Information

### **UNITED STATES – FEDERAL REGULATIONS:**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All components are listed in the inventory.

**OSHA, 29 CFR 1910, Subpart Z:** Meets the criteria for a hazardous substance under 1900.1000 for possible air contaminants.

**CERCLA, 40 CFR 302:** No ingredients listed

**SARA 302, 40 CFR 355:** No ingredients listed

**SARA 313, 40 CFR 372:** No ingredients listed

**SARA 311/312, 40 CFR 370:** Does not meet criteria

## 16. Other Information

**Preparation Date:** June 18, 2003

**Prepared by:** Kel-Ex Agencies Ltd., P.O. Box 52201, Lynnmour RPO, North Vancouver, BC, Canada, V7L 3V5

Comments: This Material Safety Data Sheet was prepared using information provided by True Lasting Colors, Ltd., and CCINFO. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. True Lasting Colors, Ltd., expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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