



## MATERIAL SAFETY DATA SHEET

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**DATE:** August 30, 2002

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**IN CASE OF SPILL EMERGENCY, DAY OR NIGHT, CALL CHEMTREC 1-800-424-9300**

### SECTION I PRODUCT IDENTIFICATION

**IDENTITY:** SUPER-FLEX™ (FINISH)

### SECTION II COMPOSITIONAL INFORMATION

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>PEL OSHA</u>	<u>TLV ACGIH</u>
Portland Cement	65997-15-1	50 Mppcf	10 mg/m <sup>3</sup> -TWA
Silica Sand (Si O <sub>2</sub> )	14808-60-7	10 mg/m <sup>3</sup> (resp) 0.3 mg/m <sup>3</sup> (total dust)	0.1 mg/m <sup>3</sup> (resp dust)
Lime	39445-23-3	5 mg/m <sup>3</sup> (resp) 15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> -TWA
Pigments*	Nuisence Dust	5 mg/m <sup>3</sup> (resp) 15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup> -TWA
Trade Secret	Proprietary	5 mg/m <sup>3</sup> (Respirable Dust) (Total dust 10 mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> 3 mg/m <sup>3</sup>

\*Pigmented with one or more of the following:

- Yellow Iron Oxides (ER20, ER50 & ER80)
- Brown Iron Oxide, Blends (ER25, ER56, ER69 & ER75)
- Red Iron Oxides (ER30, ER40, ER60 & ER110)
- Blended Iron Oxide (ER04 & ER52)
- Blue (ER5050)
- Green (ER301)
- Black Iron Oxide (ER99)

### SECTION III PHYSICAL PROPERTY INFORMATION

**Melting Point:** n.a.

**Boiling Point:** n.a.

**Solubility in Water:** Slight

**pH:** n.a.

**Appearance:** White to tinted mixture.

**Odor:** Slight cement odor.

**Vapor Density (Air=1):** n.a.

**Vapor Pressure:** n.a.

**Specific Gravity (Water=1):** 2.0 – 2.2

**Evaporation Rate (Butyl/Acetate=1):** n.a.

**Viscosity:** n.a.

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<b>SECTION IV</b>	<b>FIRE AND EXPLOSION HAZARD INFORMATION</b>
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**Flash Point:** Non-flammable. Product is non-combustible and non-explosive.

**Flammable Limits:** n.a.

**LEL:** n.a.

**UEL:** n.a.

**Extinguishing Media:** Use extinguishing agents appropriate for surrounding fire.

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None

<b>SECTION V</b>	<b>HEALTH HAZARD INFORMATION</b>
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**EFFECTS OF OVEREXPOSURE**

**Primary routes of entry:**

Inhalation – Yes

Skin and Eye – Yes

Ingestion - No

**Potential Health Effects:** Health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section VIII, Personal Protection Information.

**Inhalation:** (Acute) Exposure to Portland cement may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation of portland cement.

(Chronic) Inhalation exposure to free crystalline silica may cause delayed lung injury including silicosis, a disabling and potentially fatal lung disease, and/or cause or aggravate other lung diseases or conditions.

**Skin Contact:** (Acute) Exposure to dry Portland cement contained in the product may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.

(Chronic) Dry Portland cement/stucco mix coming in contact with wet skin or exposure to wet Super-Flex stucco finish may cause more severe skin effects, including thickening, cracking or fissuring of the skin. Prolonged exposure can cause skin damage in the form of chemical (caustic) burns.

(Acute/Chronic) Some individuals may exhibit an allergic response upon exposure to the Super-Flex finish. The response may appear in a variety of forms ranging from a mild rash to severe skin ulcers.

**Eye Contact:** (Acute/Chronic) Exposure to airborne dust may cause immediate or delayed irritation or inflammation of the cornea. Eye contact by larger amounts of dry powder or splashes of wet Super-Flex finish may cause effects ranging from moderate eye irritation to chemical burns and blindness.

**Carcinogenic Potential:** Portland cement is not recognized as a carcinogen by NTP, OSHA, or IARC. However, it may contain trace amounts of heavy metals recognized as carcinogens by these organizations. There is no general consensus in the medical science community, based on epidemiology or other information, supporting that respirable crystalline silica sand (dust) represents a carcinogenic hazard to workers.

OSHA Regulated – No.

NTP – Yes. The National Toxicology Program published its sixth annual report on carcinogens in 1992, which concludes that respirable crystalline silica may reasonably be anticipated to be a carcinogen.

IARC Monographs – Yes. International Agency for Research on Cancer (IARC) Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol. 68, 1997) concludes (with 10 yes and 7 no votes) that there is sufficient evidence for the carcinogenicity of inhaled crystalline silica to humans.

**EMERGENCY AND FIRST AID PROCEDURE.**

Irrigate eyes with water, wash exposed skin areas with water, remove patient to fresh air. If accidentally ingested, Super-Flex stucco may set and cause bowel obstruction. Consult a physician.

**SECTION VI****REACTIVITY INFORMATION**

**Stability:** Product is stable. Keep dry until used.

**Conditions to Avoid:** Unintentional contact with water. Contact with water will result in hydration and produces (caustic) calcium hydroxide.

**Incompatibility:** Wet portland cement and lime are alkaline. As such, this product is incompatible with mineral, acids, ammonium salts and aluminum metal.

**Hazardous Decomposition:** Will not occur.

**Hazardous Polymerization:** Will not occur.

**SECTION VII****SPILL OR LEAK PROCEDURE INFORMATION**

Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Product can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section VIII. Comply with all applicable local, state and federal regulations for disposal of unusable or contaminated materials. Wetted Super-Flex may be disposed of as common waste in an unrestricted sanitary land fill.

**SECTION VIII****PERSONAL PROTECTION INFORMATION**

**Ventilation:** Use local exhaust or general dilution ventilation to control dust levels below applicable exposure limits. Minimize dispersal of dust into the air.

**Respiratory Protection:** In dusty environments, the use of a MSHA/NIOSH approved respirator is recommended.

**Eye Protection:** Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling stucco or other cement containing products.

**Hand Protection:** Wear abrasion and alkali resistant gloves.

**Skin Protection:** Wear long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with dry Super-Flex stucco or clothing dampened with moisture mixed with Super-Flex. Launder before re-use. Cement burns with little warning and little heat is sensed by the skin.

**SECTION IX****STORAGE AND HANDLING INFORMATION**

Keep dry until used. Handle and store in a manner so that airborne dust does not exceed applicable exposure limits, see Section II. Use adequate ventilation and dust collection. Use exposure control and personal protection methods as described in Section VIII.

**SECTION X****TOXICITY INFORMATION**

No applicable data.

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**SECTION XI**

**REGULATORY INFORMATION**

**WORKPLACE CLASSIFICATIONS:** This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200). This product is not a controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3):**

Section 311/312 Categorization (40CFR 370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Section 313 Information (40CFR 372): This product does not contain a chemical which is listed in Section 313 above deminimis concentrations.

**CERCLA INFORMATION (40CFR 302.4):** Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**RCRA INFORMATION:** When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

**CHEMICAL CONTROL LAW STATUS:** All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**TRANSPORTATION CLASSIFICATION: US DOT:** Hazard Class.....NONREGULATED

**HAZARDOUS RATING:** (For material as packaged)

Health/Toxicity	1
Flammability	0
Reactivity	0
Personal Protection	E

**SCALE:**

4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

**NOTE:** HMIS, NFPA, and El Rey ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

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**SECTION XII**

**ADDITIONAL INFORMATION**

n.e. = Not established; n.a. = Not applicable/not available; n.d. = Not determined; NOS = Not Otherwise Specified; RQ = Reportable Quantity; resp. = Respirable dust; TLV - Threshold Limit Value; PEL = Permissible Exposure Limit; STEL - Short Term Exposure Limits (15 minutes); TWA - Time Weighted Average (8 hour); ANSI - American National Standards Institute; REL - Recommended Exposure Limits (developed by the NIOSH); NIOSH - National Institute for Occupational Safety and Health; OSHA - Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL = Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substance Control Act; SARA = Superfund Amendments and Reauthorization Act; DOT = Department of Transportation; WHMIS = Workplace Hazardous Materials Information System (Canadian).

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**Date: August 30, 2002**