

MATERIAL SAFETY DATA SHEET



Identity: UNHARDENED CONCRETE
Trade Name: READY MIX CONCRETE 65997-15-1

For Further Safety Information
Call Lois Kapp 732-905-3168

SECTION I

Manufacturer's Name: RALPH CLAYTON & SONS
Address: P.O. BOX 3015, LAKEWOOD, NJ 08701
Emergency Telephone Number: 732-905-3168
Telephone Number for Information: 732-905-3168
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SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

(Contains formula mixtures of Portland or blended cements, aggregates, and chemical admixtures)

Common Name: PORTLAND AND BLENDED CEMENTS

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| Chemical Formula: | 3CaO-SiO ₂ | CAS#: 12168-85-3 |
| | 2CaO-SiO ₂ | CAS#: 10034-77-2 |
| | 3CaO-Al ₂ O ₃ | CAS#: 23042-78-3 |
| | 4CaO-Al ₂ O ₃ Fe ₂ O ₃ | CAS#: 12068-35-8 |
| | CaSO 2H ₂ O | CAS#: 7778-18-9 |

Plus traces of CaO, MgO, K₂SQ and Na₂SQ.

Other ingredients include: concrete aggregates, inert gravel, sand and rocks, and admixtures. May include: granulated slag, and small amounts of organic and inorganic materials.

OSHA PEL = 15 mg/m³ Total Dust/5 mg/m³ respirable fraction. ACGIH TLV: 10mg/m³.

SECTION III-PHYSICAL /CHEMICAL CHARACTERISTICS

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| Boiling Point: N/A | Specific Gravity (H ₂ O=1) 2.85 |
| Vapor Pressure (mm Hg.): N/A | Melting Point: N/A |
| Vapor Density (AIR = 1): N/A | Evaporation Rate (Butyl Acetate = 1): N/A |
| Solubility In Water (%): .01 to 1% | |
| Appearance and Odor: GRAY, PLASTIC, FLOWABLE, GRANULAR MUD. | |

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A Flammable Limits: N/A LEL: N/A UEL: N/A Extinguishing Media: N/A
Special Fire Fighting Procedures: NONE Unusual Fire and Explosion Hazards: NONE

SECTION V-REACTIVITY DATA

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| Stability: | STABLE |
| Conditions to Avoid: | NONE |
| Incompatibility (Material to Avoid): | N/A |
| Hazardous Decomposition or By-products: | NONE |
| Hazardous Polymerization: | WILL NOT OCCUR |

SECTION VI-HEALTH HAZARD DATA

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| Routes of Entry: | Inhalation: | DRY CEMENT DUST MAY CAUSE DISCOMFORT OR INFLAMMATION OF THE LINING OF THE NOSE AND/OR EYES, OR RESPIRATORY DISCOMFORT. |
| | Skin: | WET UNHARDENED CEMENT MAY DRY THE SKIN AND CAUSE ALKALAI BURNS. INDIVIDUALS ALLERGIC TO CHROMIUM MAY ALSO DEVELOP AN ALLERGIC DERMATITIS. |
| | Ingestion: | NOT LIKELY, BUT POSSIBLE FROM SPLASH OF WET CEMENT. |
| Health Hazards (Acute and Chronic): | Eyes: | DRY CEMENT DUST OR SPLASH OF WET CEMENT MAY IRRITATE EYES. BURNING SENSATION OF THE EYES OR RESPIRATORY SYSTEM. IRRITATION OF THE SKIN BY DRYING OF THE SKIN ESPECIALLY IN AREAS OF OPEN SKIN ABRASIONS. ALLERGIC REACTION TO CHROMIUM. |
| Carcinogenicity: | NTP: | YES |
| | OSHA Regulated: | YES |
| | IARC Monographs: | YES |
| Signs and Symptoms of Exposure: | | MAY CAUSE SEVERE BURNS TO THE SKIN. |
| Emergency and First Aid Procedures: | Inhalation: | MOVE TO A WELL VENTILATED AREA WHILE MIXING. |
| | Respiratory Protection: | NORMALLY NOT REQUIRED, BUT APPROVED RESPIRATOR IS RECOMMENDED IF DUST IS VISIBLE WHILE MIXING IN A POORLY VENTILATED AREA. |
| | Protective Gloves: | RECOMMENDED TO PROTECT THE SKIN FROM PROLONGED CONTACT WITH CEMENT. |
| | Eye Protection: | GOGGLES OR SAFETY GLASSES RECOMMENDED TO AVOID DUST OR SPLASHING OF WET CEMENT. |
| | Other Protection: | BARRIER CREAMS, GLOVES, BOOTS, AND CLOTHING PROTECT THE SKIN FROM PROLONGED CONTACT WITH CEMENT, AND PROTECT PREVIOUS SKIN ABRASIONS. |
| | Storage: | STORE IN A WELL-VENTILATED, COOL, DRY PLACE. |

SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

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| Precautions to be Taken in Case Material is Released or Spilled: | CLEAN UP WITH SHOVEL, SCOOP OR BROOM. |
| Waste Disposal Method: | DISPOSE OF AS IF COMMON WASTE AFTER CEMENT HAS HARDENED. MAY BE RECYCLED. |
| Precautions to be taken in Handling and Storage: | WEAR PERSONAL PROTECTIVE EQUIPMENT. |
| Other Precautions: | N/A |

SECTION VIII-CONTROL MEASURES

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| Respiratory Protection: | NIOSH APPROVED. |
| Ventilation local Exhaust: | IN POORLY VENTILATED AREAS. |
| Protective Gloves: | RUBBER GLOVES RECOMMENDED. |
| Eye Protection: | ANSI APPROVED SAFETY GLASSES RECOMMENDED. |
| Other Protective Clothing or Equipment: | SEE OTHER PROTECTION LISTED ABOVE. |
| Work/Hygienic Practices: | GOOD HOUSEKEEPING TECHNIQUES. |

THIS MATERIAL SAFETY DATA SHEET IS PROVIDED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (CFR 1910.1200). THE MSDS REFLECTS THE MOST RECENT, SIGNIFICANT INFORMATION IN OUR POSSESSION. THE OSHA STANDARD REQUIRES THAT ALL PERSONNEL BE PROVIDED WITH ACCURATE INFORMATION ON THE HAZARDS OF THE CHEMICALS THEY HANDLE AND BE TRAINED IN PROPER WORK PRACTICES TO MINIMIZE THE RISKS FROM THE HAZARDS.

THE MSDS SHOULD NOT BE CONSTRUED AS THE SUM TOTAL OF ALL PROTECTIVE MEASURES THAT MAY BE TAKEN. IT IS THE RESPONSIBILITY OF THE EMPLOYER TO EVALUATE THE INFORMATION AND TO DETERMINE THE EXTENT OF THE HAZARD AND WHAT PERSONAL PROTECTIVE MEASURES SHOULD BE TAKEN.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

IF WE MAY BE OF FURTHER ASSISTANCE, PLEASE DO NOT HESITATE TO CONTACT US.

WARNING: Dry sawing or grinding of concrete masonry products may result in the release of dust particles (respirable crystalline quartz) which could cause minor eye or nose irritation if proper protective equipment is not in place. Minimum respiratory and eye protection is required as specified in the Material Safety Data Sheet (MSDS) for Concrete Masonry Products, Section VIII, Control Measures, provided by this company. Failure to use appropriate respiratory protection when exposed to airborne respirable crystalline quartz for prolonged periods of time may cause delayed (chronic) lung injury (silicosis). Limited evidence is also available which suggest that respirable crystalline quartz may pose a carcinogenic threat to humans.