

SAFETY DATA SHEET



For Further Safety
Information Contact:
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Section 1: IDENTIFICATION

Identity: Unhardened Concrete
Manufacturer's Name: Ralph Clayton & Sons
Address: P O Box 3015, Lakewood, New Jersey 08701
Emergency Telephone Number: 732-751-7668
Telephone Number for Information: 732-751-7668
Recommended Use: Ready-Mix Concrete Applications
Date Prepared: January 1, 2013

Section 2: HAZARD(S) IDENTIFICATION

Common Name: Ready Mix Concrete
Contains formula mixtures of Portland or blended cements, aggregates and chemical admixtures. Unhardened wet concrete is considered a strong alkali. It can cause severe burns of the skin or eyes. Avoid contact with unhardened wet concrete.

Unhardened wet concrete is not likely to create dust. Respirable dust may be released by surface treatment, cutting or drilling of dry hardened concrete. Use wet applications. Wear appropriate NIOSH approved respirators. Respirable dust can cause long term (chronic) health hazards.

Other ingredients include: Concrete aggregates, inert gravel, sand, rocks and admixtures.

May include: Granulated slag and small amounts of organic and inorganic materials.

OSHA Pel: Total dust = $\frac{30\text{mg}/\text{m}^3}{\% \text{ silica} + 2}$
Respirable dust = $\frac{10\text{mg}/\text{m}^3}{\% \text{ silica} + 2}$

Carcinogenicity:
NTP: Yes
OSHA Regulated: Not classified
IARC Monographs: Yes

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This Safety Data Sheet covers various concrete mix designs. Contains formula mixtures of Portland or blended cements, other cementitious materials, such as slag, flyash and other pozzolans, aggregates, chemical admixtures and water. Other ingredients such as fiber or color may be added. May include small amounts of organic and inorganic materials.

Name	CAS #	Proportion
Portland Cement	65997-15-1	1 – 100%
Sand	14808-60-7	20 – 85%
Stone, gravel, slag		20 – 86%
Water	7732-18-5	0 – 20%

Other ingredients may be added:

Flyash		0 – 20%
Pigments (color dye)	1332-37-2	0 – 10%
Silica Fume	7699-41-4	0 – 10%

Section 4: FIRST-AID MEASURES

Routes of Entry: Eye Contact: Rinse eyes thoroughly with water for at least 15 minutes, including under lids, to remove all particles. Seek medical attention for abrasions and burns.

Section 11: TOXICOLOGICAL INFORMATION

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 Safety Data Sheet (SDS) for Concrete Masonry products, Section 8, 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.

Section 12: ECOLOGICAL INFORMATION

N/A

SECTION 13: DISPOSAL INFORMATION

Crush, Recycle

Section 14: TRANSPORT INFORMATION

N/A

SECTION 15: REGULATORY INFORMATION

OSHA/MSHA Hazard Communication:	This product is considered by OSHA/MSHA to be a hazardous chemical and should be included in the employer's hazard communication program.
CERCLA/SUPERFUND:	This product is not listed as a CERCLA hazardous substance.
EPRCA SARA SECTION 313:	This product contains none of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
RCRA:	If discarded in its purchased form, this product would not be hazardous waste either by listing or characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste.
TSCA:	Portland Cement and crystalline silica are exempt from reporting under the inventory update rule.
California Proposition 65:	Crystalline silica (airborne particulates of respirable size) and Chromium (hexavalent compounds) are substances known by the State of California to cause cancer.
WHMIS/DSL:	Products containing crystalline silica and calcium carbonate are classified as D2A, E and are subject to WHMIS requirements.

SECTION 16: OTHER INFORMATION

This Safety Data Sheet is provided In accordance with the OSHA Hazard Communication Standard (CFR 1910.1200). The SDS 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 chemical they handle and be trained in proper work practices to minimize the risks from the hazards.

The SDS 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.
