

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Bagged Sand Mixes HMIS CODES: H F R P

PRODUCT CODE: SANDMIX 1 0 0 B

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Ralco Products, Inc.

ADDRESS: 873 Western Avenue
Toledo, OH 43609-2795

EMERGENCY PHONE : 419-241-1148 DATE PRINTED : 10-09-92

INFORMATION PHONE : 419-241-1148 NAME OF PREPARER: Ralco Products Inc.

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS CAS NUMBER VAPOR PRESSURE HEIGHT

Mm Hg @ TEMP PERCENT

Tri Calcium Silicate N/A N/A 25

TLV: 5 mg/cubic meter (respirable dust)

TLV:10 mg/cubic meter (total dust)

NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 373 ARE PRESENT THIS MSDS IS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD, (29CFR 1910, 1200) UNLISTED INGREDIENTS ARE NOT "HAZARDOUS PER THIS OSHA STANDARD AND ARE CONSIDERED TO BE TRADE SECRETS OF RITE MIX CORPORATION. IDENTITIES OF TRADE SECRET INGREDIENTS WILL BE MADE AVAILABLE FOLLOWING THE PROCEDURES SPECIFIED IN THE STANDARD.

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE: n/a -n/a SPECIFIC GRAVITY (H2O=1): 2.55

VAPOR DENSITY: n/a EVAPORATION RATE: n/a

COATING V.O.C.: 0.00 lb/gal MATERIAL V.O.C. 0.00 lb/gal

SOLUBILITY IN WATER: Slight 0.1-1.0%

APPEARANCE AND ODOR: Grey Powder with sand, possibly rock - Odorless

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: n/a METHOD USED: n/a

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: n/a

SPECIAL FIREFIGHTING PROCEDURES: n/a

UNUSUAL FIRE AND EXPLOSION HAZARDS: n/a

SECTION V - REACTIVITY DATA

STABILITY: Product hardens in 6-8 hours and becomes stable.

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): Acids, Fluorine, any additive except water

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon Dioxide when mixed with Acids

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Causes irritation of mucous membrane and respiratory passages.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Corrosive to skin and eyes. Alkali burns to skin and eyes may result if contacted.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Systematically toxic concentrations will probably not be absorbed through the skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Single dose oral toxicity is low. No hazards anticipated from ingestion due to industrial exposure.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute Exposure: wet Portland cement can dry the skin and cause alkali burns. Portland cement dust can irritate the skin and upper respiratory system. Chronic Exposure: Portland cement dust can cause inflammation of the lining of the interior of the nose and inflammation of the cornea. Individuals who are allergic to chromium may develop an allergic dermatitis. (Portland cement may contain traces of chromium).

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No

OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons with lung disease should avoid inhalation.

EMERGENCY AND FIRST AID PROCEDURES: Wash eyes immediately with water. If

irritation persists, seek medical attention. For gross inhalation, remove persons immediately to fresh air, give artificial respiration as needed, seek medical attention as needed.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CARE MATERIAL IS RELEASED OR SPILLED: Use dustless methods (vacuum) and place into container for disposal, or flush with water. Do not dry sweep and disperse particles into the air. Wear protective equipment specified below.

WASTE DISPOSAL METHOD: This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations. 40 CFR 261, State or local hazardous waste regulations may apply if they are different from the federal regulations. Dispose of according to Federal, State and local regulation.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid breakage of bagged material or spills of bulk material.

OTHER PRECAUTIONS: None

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Only NIOSH approved or MSHA approved equipment should be used.

VENTILATION: Use of sufficient local exhaust to maintain TLV's and PEL's.

PROTECTIVE GLOVES: Protect hands by using rubber or leather gloves

EYE PROTECTION: Use protective shield (safety glasses) when exposed to dust particles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear appropriate protective clothing. Launder contaminated clothing after use.

WORK/HYGIENIC PRACTICES: Avoid creating and breathing dust.

SECTION IX - DISCLAIMER

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