

GRAVES REDI-MIX MSDSMATERIAL SAFETY DATA SHEET

MANUFACTURER: GRAVES CONCRETE

IN CASE OF EMERGENCY CALL: 978-939-5712

IDENTITY OF MATERIAL: READY MIXED CONCRETE

HAZARDOUS INGREDIENTS: AQUEOUS MIXTURE OF CALCIUM SILICATES,

ALLUMINATES, AND FERRITES, PORTLAND AND BLENDED CEMENTS:

3CaO.S10 (CAS 12168-85-3)

2CaO.S10 (CAS 10034-77-2)

3CaO.A1:O (CAS 23042-78-3)

4CaO.A1.FE:O (CAS 12068-35-8)

CaSO4,2H2 (CAS 7778-18-9) PLUS TRACES OF CaO, MgO, K2SO4 &

Na2SO4

OTHER INGREDIENTS: CONCRETE AGGREGATES, INERT GRAVEL SAND

AND ROCK.

ADMIXTURES: MAY INCLUDE FLY ASH, GRANULATED SLAG, AND VERY SMALL AMOUNTS OF ORGANIC AND INORGANIC MATERIALS WHICH HAVE NO EFFECT ON THE HAZARDS ASSOCIATED WITH USE OF PRODUCT.

PHYSICAL/CHEMICAL CHARACTERISTICS:

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: +/-2.30

FIRE/EXPLOSION DATA: N/A

REACTIVITY DATA: STABLE

MELTING POINT: N/A

EVAPORATION RATE: N/A

SOLUBILITY: SIGHT (0.01 TO 1%)

APPEARANCE & ODOR: GRAY, PLASTIC, FLOWABLE, GRANULAR

MUD, ODORLESS

HAZARDOUS POLYMERIZATION: NONE

HEALTH HAZARD DATAROUTES OF ENTRY: *INHALATION:N/A SKIN:YES INGESTION:N/A*

ACUTE HEALTH HAZARDS: CONTACT DERMATITIS AND/OR SEVERE BURNS POSSIBLE WITH PROLONGED OR REPEATED CONTACT WITH

UNPROTECTED SKIN WHEN PRODUCT IS IN THE UNHARDENED STATE.

CHRONIC HEALTH HAZARDS: HYPERTENSIVE INDIVIDUALS MAY

DEVELOP AN ALLERGIC DERMATITIS WITH REPEATED CONTACT WITH PRODUCT IN THE UNHARDENED STATE.

CARCINOGENICITY: NONE KNOWN

SIGNS/SYMPTOMS OF OVEREXPOSURE: IRRITATION AND/OR BURNING OF SKIN OR EYES.

PRECAUTIONS FOR SAFETY HANDLING & USE: USE PROPER TOOLS

AND EQUIPMENT. RUBBER BOOTS, RUBBER GLOVES AND PROTECTIVE CLOTHING COVERING ARMS AND LEGS SHOULD BE WORN. PERSONS

WITH SENSITIVE SKIN SHOULD TAKE EXTRA PROTECTIVE PRECAUTIONS EMERGENCY AND FIRST AID PROCEDURES

CONTACT WITH EYES: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER AND CONTACT A PHYSICIAN.

CONTACT WITH SKIN: THOROUGHLY WASH AFFECTED AREA WITH SOAP AND WATER. A PHYSICIAN SHOULD BE CONSULTED FOR SEVERE BURNS OR PERSISTENT IRRITATION.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH AND IS BASED ON KNOWLEDGE BELIEVED TO BE RELIABLE. NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN REGARDING THE ACCURACY OF THIS DATA OR

THE RESULTS OBTAINED FROM THE USE THEREOF.

WARNING: INJURIOUS TO EYES: CAUSES SKIN IRRITATION: READ THIS WARNING BEFORE USING: CONTAINS PORTLAND CEMENT.

Contact with wet, unhardened concrete, mortar, cement, or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Avoid contact with eyes and skin. Wear waterproof gloves, a fully buttoned, long-sleeve shirt, full length trousers and tight-fitting eye protection when working with these materials. If you have to stand in wet concrete, use waterproof boots that are tight at the top and high enough to keep concrete from flowing into them. If you are finishing concrete, wear kneepads to protect knees. Wash wet concrete, mortar, cement or cement mixtures from your skin with fresh, clean water immediately after contact. Indirect contact through your clothing can be as serious as direct contact, so promptly rinse wet concrete, mortar, cement or cement mixtures from clothing. Seek immediate medical attention if you have persistent or severe discomfort. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. KEEP OUT OF REACH OF CHILDREN. USER AGREES TO CONVEY THIS WARNING TO ALL PERSONS WHOM MAY USE OR COME IN CONTACT WITH WET (UNHARDENED) CONCRETE, MORTAR, AND CEMENT OR CEMENT MIXTURES.

CRYSTALLINE SILICA CARCINOGENIC POTENTIAL: Concrete frequently contains crystalline silica in concentrations greater than 0.1 percent, principally contributed by the aggregates. Respirable crystalline silica is classified by the International Agency for Research on Cancer as a known human carcinogen and by the National Toxicology Program as "reasonably anticipated to be a carcinogen". Crystalline silica in wet concrete is not respirable and does not pose a hazard when the concrete is in its plastic or unhardened state. Once concrete has hardened, airborne dust generated by grinding, sawing, drilling, breaking, etc., can lead to potentially hazardous exposures to workers and appropriate respiratory protection precautions should be taken.