

CRISTAL

MSDS Information

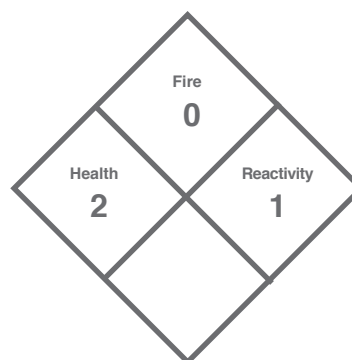
Material Safety Data Sheet

Product Name: CRISTAL

24 Hour Emergency Number - Chem-Tel: 1-800-255-3924

Revision Date: 5/27/08

Pages: 5



VMC
TECHNICAL ASSISTANCE CORPORATION
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SECTION 1

CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME: CRISTAL

SYNONYMS: NONE

PRODUCT CODE: MTCRISTAL

PRODUCT USE: MARBLE & STONE DENSIFIER

MANUFACTURER ADDRESS:

MAR-TEK INDUSTRIES
300 INDUSTRIAL DR
FORNEY, TX 75126

EMERGENCY PHONE: (800)255-3924 CHEM-TEL (CHEMICAL EMERGENCIES ONLY)

OTHER CALLS:(product info): 214-350-9401

FAX PHONE: 214-351-5435

PREPARED BY: R.L. SCHIEGG

SECTION 2

COMPOSITION OF INGREDIENTS

INGREDIENTS:	CAS NO	%WT	SARA313 REPORTABLE
MAGNESIUM FLUOSILICATE	16948-55-8	15-20	NO

OSHA PEL 2.5 MG/M³ (as F)

ACGIH TLV 2.5 MG/M³ (as F)

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY:

INHALATION: YES (DUST MISTS)

SKIN: YES

INGESTION: YES

EYES: YES

POTENTIAL HEALTH EFFECTS:

INHALATION: IF SPRAYED OR MISTED MAY CAUSE CHEMICAL PNEUMONITIS OR CHEMICAL BURNS. THIS PRODUCT IS TOXIC BY INHALATION.

SKIN: IRRITATING. PROLONGED CONTACT MAY CAUSE SEVERE CHEMICAL BURNS, DERMATITIS, DRYING OF SKIN.

INGESTION: DO NOT TAKE INTERNALLY. POISONOUS.

EYES: MAY CAUSE SERIOUS EYE IRRITATION.

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ACUTE HEALTH HAZARDS: THE TOXICOLOGICAL PROPERTIES OF THIS COMPOUND HAVE NOT BEEN FULLY TESTED.

CHRONIC HEALTH HAZARDS: THE TOXICOLOGICAL PROPERTIES OF THIS COMPOUND HAVE NOT BEEN FULLY TESTED.

AGGRAVATION OF PRE-EXISTING CONDITIONS: THE TOXICOLOGICAL PROPERTIES OF THIS COMPOUND HAVE NOT BEEN FULLY TESTED.

HEALTH CONDITIONS: CONTACT OR BREATHING MISTS MAY EXACERBATE EXISTING SKIN OR RESPIRATORY DISORDERS.

CARCINOGENICITY:

OSHA REGULATED: NO ACGIH: NO NTP: NO IARC MONOGRAPHS: NO

OTHER: NONE

SECTION 4

FIRST AID MEASURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. LIFT EYELIDS WHILE FLUSHING TO DECONTAMINATE ALL AREAS AROUND THE EYE AND EYELID. GET MEDICAL ATTENTION AS SOON AS THE FIRST AID HAS BEEN ADMINISTERED.

SKIN: REMOVE CONTAMINATED CLOTHING. WASH EFFECTED AREA WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. DECONTAMINATE CLOTHING AND SHOES BEFORE REUSE. DISCARD CONTAMINATED LEATHER ARTICLES.

INGESTION: DO NOT INDUCE VOMITING. DRINK 3-4 GLASSES OF MILK OR WATER AND CALL THE NEAREST POISON CONTROL CENTER.

INHALATION: EVACUATE TO A SAFE AREA WITH PLENTY OF FRESH AIR. ALLOW THE AFFECTED INDIVIDUAL TO REST IN A WELL VENTILATED AREA. IF BREATHING DISTRESS CONTINUES, SEEK MEDICAL AID IMMEDIATELY.

SECTION 5

FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: UPPER: NONE
 LOWER: NONE

FLASH POINT: NONE

METHOD USED: NOT APPLICABLE

AUTO-IGNITION TEMPERATURE: NOT APPLICABLE

NFPA HAZARD CLASSIFICATION:
 HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1 OTHER: NONE

HMIS: CLASSIFICATION:
 HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1 OTHER: NONE

EXTINGUISHING MEDIA: NOT APPLICABLE

SPECIAL FIRE FIGHTING PROCEDURES: KEEP CONTAINERS COOL WITH A WATER SPRAY IF INVOLVED IN A FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

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HAZARDOUS DECOMPOSITION HAZARDS: NONE KNOWN, EXCEPT WHATEVER IS PRODUCED BY SURROUNDING FIRE.

SECTION 6

ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: DO NOT CONTAMINATE MUNICIPAL SEWERS OR OTHER OPEN BODIES OF WATER WITH RUNOFF. WEAR RECOMMENDED PROTECTIVE CLOTHING. REMOVE CONTAMINATED GARMENT PROMPTLY. REMOVE UNNECESSARY PERSONNEL FROM THE AREA. FLOORS MAY BE SLIPPERY; USE CARE TO AVOID FALLING. DIKE THE SPILL IMMEDIATELY WITH APPROPRIATE MATERIALS TO PREVENT THE SPREAD OF LIQUID. ABSORB THE MATERIAL WITH AN INERT ABSORBENT SUCH AS SAND, DIRT, VERMICULITE, OR "OIL DRY" OR USE ABSORBENT PADS. TRANSFER LIQUIDS AND SOLID DIKING MATERIAL TO A SUITABLE CONTAINERS AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 7

HANDLING AND STORAGE

HANDLING AND STORAGE: AVOID CONTACT WITH SKIN AND EYES. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A DRY, COOL, WELL-VENTILATED AREA. EMPTY CONTAINERS MAY CONTAIN RESIDUE. ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH ALL GOVERNMENT REGULATIONS. KEEP THIS AND ALL CHEMICALS OUT OF HANDS OF CHILDREN.

OTHER PRECAUTIONS: NONE

SECTION 8

EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: ADEQUATE VENTILATION TO KEEP VAPORS BELOW APPLICABLE STANDARDS.

VENTILATION: LOCAL EXHAUST IS RECOMMENDED WHEN USED IN A CLOSED AREA.

RESPIRATORY PROTECTION: USE A WELL-VENTILATED AREA. IF MIST IS BEING GENERATED AND EXCEEDS THE TLV A RESPIRATORY PROTECTION PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED.

EYE PROTECTION: SAFETY GLASSES (ANSIZ87.1) OR APPROVED EQUIVALENT AS NECESSARY TO MINIMIZE EYE CONTACT.

SKIN PROTECTION: NEOPRENE OR OTHER MATERIALS MAY BE USED IF DOCUMENTED EVIDENCE OF COMPATIBILITY.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NEOPRENE APRONS, OVERSHOES, OVER-SLEEVES OR OTHER IMPERVIOUS CLOTHING AS NECESSARY TO MINIMIZE EXPOSURE.

WORK HYGIENIC PRACTICES: USE PROPER INDUSTRIAL HYGIENE PRACTICES TO MINIMIZE HAZARDOUS EXPOSURE. WASH HANDS AFTER HANDLING THIS MATERIAL BEFORE EATING OR SMOKING.

EXPOSURE GUIDELINES: NONE

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
ODOR:

CLEAR LIQUID
NONE

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PH AS SUPPLIED:	1.0
BOILING POINT:	NOT DETERMINED
FREEZING POINT:	NOT DETERMINED
VAPOR PRESSURE:	NOT DETERMINED
VAPOR DENSITY: (AIR=1)	SAME AS WATER
SPECIFIC GRAVITY: (H2O=1)	1.14
SOLUBILITY IN WATER:	COMPLETE

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SECTION 10

STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (AVOID) TEMPERATURES ABOVE 100° C, AS IT MAY EVOLVE ACIDIC VAPORS

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: MAY EVOLVE CARBON DIOXIDE, CARBON MONOXIDE AND OTHER UNIDENTIFIED PRODUCTS IF INVOLVED IN A FIRE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HIGH TEMPERATURES

SECTION 11

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: THIS PRODUCT IS A SYSTEMIC POISON. LD₅₀ 200 MG/KG (ORAL-RAT)

SECTION 12

ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT AVAILABLE

SECTION 13

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: BURY IN AN APPROVED LANDFILL IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS. IF THESE OPTIONS ARE NOT AVAILABLE CONSIGN THE RECOVERED MATERIALS TO A LICENSED HAZARDOUS WASTE CONTRACTOR.

RCRA HAZARD CLASS: NONE

SECTION 14

TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION:

PROPER SHIPPING NAME: MAGNESIUM FLUOSILICATE SOLUTION, UN2853
HAZARD CLASS 6.1 (TOXIC)
PACKAGING GROUP: III

LABEL STATEMENT: TOXIC

OTHER AGENCIES: IMO AND IATA FREIGHT MOVES AS A 6.1 TOXIC. PACKAGING, MARKING, LABELING AND SHIPPING PAPER DESCRIPTIONS MUST REFLECT THE REGULATION FOR EXPORT MOVEMENT.

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REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCES CONTROL ACT) ALL INGREDIENTS ARE TSCA LISTED.

CERCLA: (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT)

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SECTION 302: EHS REPORTING NOT REQUIRED.

SECTION 304: HAZARDOUS RELEASE REPORTING NOT REQUIRED.

SECTION 311: REPORTING NOT REQUIRED.

SECTION 312: INVENTORY REPORTING NOT REQUIRED.

SECTION 313: EMISSION AND RELEASE REPORTING NOT REQUIRED.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

NO SUBSTANCE PRESENT.

MASSACHUSETTS RIGHT TO KNOW ACT:

NO SUBSTANCE PRESENT.

NEW JERSEY RIGHT TO KNOW ACT:

MAGNESIUM FLUOROSILICATE CAS#18972-56-0
15-20% BY WT.

PENNSYLVANIA RIGHT TO KNOW ACT:

NO SUBSTANCE PRESENT

SECTION 16

OTHER INFORMATION

PREPARATION INFORMATION: PREPARED BY R.L. SCHIEGG

SCHEDULE B NUMBER: 2826199080

MSDS DATE: 05/27/08

DISCLAIMER:

Mar-Tek Industries provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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