

MSDS.327 – COLOR-FAST™ Broadcast Color Hardener

Revised: 3.14.08

EMERGENCY ASSISTANCE

For Chemical Emergency Spill, Leak, Fire or Exposure call 24 hours a day: CHEMTREC (800) 424-9300. Outside the U.S. call (703) 527-3887 (Collect calls accepted).

Read this MSDS before use or disposal of this product. Pass along the information to employees and any persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard (29 CFR 1915, 1916, 1917). This MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse beyond our control, Elite Crete Systems, Inc. makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.

SECTION I. PRODUCT IDENTIFICATION

PRODUCT NAME: COLOR-FAST™ Broadcast Color Hardener
MSDS #: 327
CAS NUMBER: N/A
CHEMICAL NAME: A PORTLAND CEMENT PRODUCT
CHEMICAL FAMILY: N/A
FORMULA: A MIXTURE OF COMPOUNDS

HMIS Rating: Health 1 Fire 0 Reactivity 0
 0= least, 1= slight, 2= moderate, 3= high, 4= extreme

SECTION II. HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	EXPOSURE LIMITS (TWA's IN AIR)		
		ACGIH TLV	OSHA PEL	STEL
SILICA QUARTZ	14808-60-7	0.1 mg/m ³	10 mg/m ³	N/A
NUISANCE DUSTS(CEMENT)	NONE	5 mg/m ³	5 mg/m ³	N/A

PAINTS, PRESERVATIVES, & SOLVENTS %	TLV (UNITS)	ALLOYS AND METALLIC COATINGS %	TLV (UNITS)
PIGMENTS	- N/A	BASE METAL	- N/A
CATALYST	- N/A	ALLOYS	- N/A
VEHICLE	- N/A	METALLIC COATINGS	- N/A
SOLVENTS	- N/A	PLUS COATING OR CORE FLUX	- N/A
ADDITIVES	- N/A	OTHERS	- N/A

SECTION III. PHYSICAL DATA

APPEARANCE: POWDER. VARIOUS COLORS
ODOR: Oderless
BOILING POINT: N/A
SOLUBILITY IN WATER: NEGLIGIBLE
SPECIFIC GRAVITY (H₂O=1): APPROXIMATLY 3
VAPOR DENSITY (AIR=1): N/A
VAPOR PRESSURE (mm Hg): N/A
%, VOLATILE BY VOLUME: N/A

SECTION IV. FIRE AND EXPLOSION

FLAMMABILITY CLASSIFICATION: N/A
FLASH POINT: N/A
FLAMMABLE LIMITS: NOT FLAMMABLE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT FLAMMABLE
FLASH POINT: N/A
SPECIAL FIREFIGHTING PROCEDURES: USE STANDARD PROCEDURES WITHOUT REGARD TO PRODUCT.

SECTION V. HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION

HEALTH HAZARDS(ACUTE AND CHRONIC): PROLONGED EXPOSURE MAY RESULT IN CHRONIC LUNG INJURY. ACUTE SILICOSIS MAY DEVELOP IN SHORT TIME WITH HEAVY EXPOSURE. SILICOSIS CAN BE PROGRESSIVE & MAY CAUSE DEATH.

CARCINOGENICITY: NTP=NO, IARC MONOGRAPHS=YES, OSHA REGULATED=NO

SYMPTOMS OF EXPOSURE

SKIN: DRY, ITCHY, RASH, MAY RESULT FROM PROLONGED UNPROTECTED EXPOSURE

MEDICAL CONDITIONS VULNERABLE TO EXPOSURE: RESPIRATORY LIMITATIONS

EFFECTS OF OVEREXPOSURE: PRODUCT CONTAINS FREE SILICA, REPEATED INHALATION OF RESPIRABLE FREE SILICA DUST MAY CAUSE DELAYED LUNG INJURY

EMERGENCY AND FIRST AID PROCEDURES

SKIN CONTACT: RINSE FREE OF MATERIAL WASH WITH SOAP AND WATER

EYE CONTACT: DO NOT RUB! FLUSH WITH WATER FOR 15 MINUTES & SEE A PHYSICIAN

INGESTION: DRINK 2 GLASSES OF WATER & GET MEDICAL ATTENTION

INHALATION: REMOVE TO FRESH AIR. IF RESPIRATORY SYMPTOMS PERSIST OR DEVELOP, SEE A DOCTOR

SECTION VI. REACTIVITY DATA

STABILITY: STABLE (UNDER NORMAL CONDITIONS PRODUCT SLOWLY HYDRATES IN A NON HAZARDOUS WAY)

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: PRODUCT WILL REACT WITH ORGANIC & INORGANIC ACIDS

MATERIALS TO AVOID: STRONG OXIDANTS

HAZARDOUS DECOMPOSITION: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COLLECT SPILLED POWDERS & PLACE IN CONTAINERS. AVOID GENERATION OF DUST.

WASTE DISPOSAL METHODS: DISPOSE IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS FOR DISPOSAL OF NON HAZARDOUS WASTE.

GENERAL PRECAUTIONS: AVOID DUST, SKIN, & EYE CONTACT. AVOID DUST INHALATION.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: DUST MASK RECOMMENDED, NIOSH OR OSHA APPROVED RESPIRATORS REFER TO OSHA STANDARDS IN CFR 1910.134

VENTILATION

LOCAL: PREFERABLE

MECHANICAL: ACCEPTABLE

PROTECTIVE CLOTHING: PROTECTIVE GLOVES & GOGGLES OR A FACE SHIELD SHOULD BE USED

OTHER PROTECTIVE EQUIPMENT: AN EYE BATH SHOULD BE AVAILABLE.

SECTION IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: GOOD INDUSTRIAL PRACTICE REQUIRES THAT EMPLOYEE EXPOSURE BE MAINTAINED BELOW THE RECOMMENDED TLV AND AS LOW AS POSSIBLE. THIS IS ACHIEVED BY USE OF THE APPROVED RESPIRATORS AT ALL TIMES AND GOOD HYGIENE, NAMELY WASHING OR BATHING AFTER EACH USE AND WASHING CLOTHING AFTER EACH USE AND WASHING CLOTHING AFTER EACH USE.