

SAFETY DATA SHEET

ELASTIZELL CELL PATCH

SDS ISSUE DATE: 12/12/2015
SUPERSEDES SDS: 11/19/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Elastizell Cell Patch (Kit)

SYNONYMS: Cement based powder blend that contains fiber and foam concentrate to which water is added then stirred creating a cellular concrete patching material.

MANUFACTURER: Elastizell Corporation of America

DIVISION: Research and Production Facility

ADDRESS: 7900 Second Street, Dexter, Michigan 48130 USA

EMERGENCY PHONE: 734-426-6076

24 HOUR TRANSPORTATION PHONE: CHEMTREC @ 800-424-9300

PRODUCT INFORMATION: 734-761-6900

CHEMICAL NAME: A blend of hydraulic cements, polyethylene terephthalate fiber and protein stabilized surfactant to which water is added.

CHEMICAL FORMULA: Proprietary formula

CAS NUMBER: Blend – Trade Secret

PRODUCT USE: Patching material for cellular concrete.

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Material is a dusty, alkaline powder. Avoid contact with eyes. Do not breathe dust. Wash from hands and clothes promptly to avoid irritation. Use standard industrial good handling practices



SIGNAL WORD: WARNING

Hydraulic cements are classified by OSHA and others as nuisance dusts, neither hazardous nor toxic.

Reporting required by Title III Sec 313, 40 CFR 1910.1200				Exposure Limit Values		
Material or Component	CAS#	Form	313	RQ#	TWA	STEL
Hydraulic cement blend	Mixture	Powder	No	None	10mg/m ³	
Silica Quartz	14804-60-7	Variable	No	None	0.05mg/m ³	
Anionic Surfactant blend	25638-17-9	Liquid in jar	No	None	Not established	

HAZARD CATEGORIES:	HEALTH	FIRE	PRESSURE	REACTIVITY
Immediate	Yes	No	No	No
Delayed	Yes	NA	NA	NA

HMIS HAZ RATING: Health-1 Delayed Health-1 Fire-0 Instability-0 Other-B (glasses, gloves)

NFPA 704 HAZARD RATING: Health-1 Flammability-0 Reactivity-0 Special-NA

THRESHOLD LIMIT VALUE: Not established on product

TOSCA STATUS: All ingredients listed

CALIFORNIA PROP 65: Potentially contains silica quartz

INGREDIENTS ON CANCER LISTS: Potentially contains silica quartz

REPRODUCTIVE IMPLICATIONS: None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Kit consists of cement powder blend, fiber strands plus a jar of liquid foaming agent used to lower the density of the patch when water is added and paste is stirred.

<u>Ingredient Name</u>	<u>CAS #</u>	<u>Weight %</u>
Hydraulic cement blend - powder	mixture	> 90%
Anionic surfactant blend - liquid in jar	proprietary blend	< 5%
Polyethylene Terephthalate - fiber	25038-59-9	< 5%

SECTION 4: FIRST AID MEASURES

SKIN: Wash exposed skin with soap and water until gone. Remove affected clothes, rinse off before reuse.

EYES: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.

INHALATION: If affected, remove individual to fresh air, get medical attention at once if there is discomfort.

INGESTION: Not a probable route of exposure. Dilute by giving large amounts of milk or water. Get medical attention. Do not induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, dry chemical

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Avoid excessive inhalation of smoke or potential thermal decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: Always wear recommended personal protective equipment. Sweep or vacuum up and place in containers for eventual reuse or disposal to an approved landfill as non-hazardous waste. Keep out of waterways and storm sewers. Comply with Federal, State and Local regulations on reporting spills.

SECTION 7: HANDLING AND STORAGE

GENERAL: Avoid creating dust during handling. Wash off slurried and dry product to avoid drying skin and slow developing alkali burns.

STORAGE: Keep in closed water proof containers between uses to prevent absorption of moisture from air. Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation should be used during processing to remove any dusts, mists, or vapors.

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SKIN PROTECTION: It is good industrial hygiene practice to prevent prolonged or repeated skin contact. Impermeable gloves or the use of barrier creams are recommended to avoid irritation.

EYE PROTECTION: Safety glasses or goggles should be worn during processing.

RESPIRATORY PROTECTION: None normally required. If risk of inhalation exists, select and use equipment according to OSHA/NIOSH guidelines for nuisance dusts.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Grayish powder with filaments of fiber

PHYSICAL STATE: Solid with foaming agent in the jar being a honey like liquid.

ODOR: Odorless

SOLUBILITY IN WATER: Slight

SPECIFIC GRAVITY: > 1

pH: Alkaline in water

% phosphorous: None

VOC content: None

FLASH POINT: None

BOILING POINT: NA

VAPOR PRESSURE: NA

FREEZING POINT: NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable, reacts with water to form concrete

INCOMPATIBILITIES: Wet concrete corrodes aluminum and zinc to form flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGY: LD50 and LC50 not determined. A high pH material is produced when mixed with water.

CHRONIC EFFECTS: May contain silica sand, a known carcinogen. Exposure may aggravate eye, skin and respiratory conditions.

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SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Is the unused product a RCRA hazardous waste if discarded: No

SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION: Not regulated

U.S. DOT SHIPPING NAME: Patching material for concrete

US DOT HAZARD CLASS: Not hazardous

FREIGHT CLASSIFICATION: Rate class 50

NMFC NUMBER: 42130

LABELS REQUIRED: None

REPORTABLE QUANTITY: Not applicable

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): Is listed on the TSCA Inventory.

SARA TITLE III/CERCLA: None

CHEMICALS SUBJECT TO REPORTING REQUIREMENTS: None

SECTIONS 311 and 312 HAZARD CLASSIFICATIONS: Not applicable

SECTION 16: OTHER INFORMATION

SDS PREPARED BY:



Ned Glysson – Director of Research and Operations

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