

SAFETY DATA SHEET

ELASTIZELL JLE FOAM CONCENTRATE

SDS ISSUE DATE: 11/08/2015
SUPERSEDES MSDS: 06/12/2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Elastizell JLE Foam Concentrate
SYNONYMS: Air entraining agent for concrete

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: An aqueous solution of protein stabilized surfactants.
CHEMICAL FORMULA: Proprietary formula
CAS NUMBER: Blend - Trade Secret

PRODUCT USE: Foam concentrate to be diluted with water and induced to foam for modifying density in cellular concrete.

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Water based, mid range pH foam forming solution. Use standard industrial good handling practices including wearing protective glasses and gloves. Moderate skin and eye irritant. Spilled material can pose a slip hazard.



SIGNAL WORD: WARNING

ROUTES OF ENTRY AND POTENTIAL HEALTH EFFECTS:

EYES: Direct contact with the eyes will cause irritation.

SKIN: Prolonged skin contact removes natural oils from skin causing irritation.

INGESTION: Internal consumption may cause diarrhea and other gastric disturbances. Not a likely source of exposure.

INHALATION: Not applicable

ACUTE HEALTH HAZARDS: As noted above.

CHRONIC HEALTH HAZARDS: No chronic effects known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dry skin

INGREDIENTS ON CANCER LISTS: None

TOSCA STATUS: All ingredients listed.

CALIFORNIA PROPOSITION 65: None

REPRODUCTIVE IMPLICATIONS: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Reporting required by Title III Sec 313, 40 CFR 372, 29 CFR 1910.1200

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>SARA 313 REPORTABLE</u>	<u>RQ#</u>	<u>TWA</u>	<u>STEL</u>
Water	7732-18-5	No	None	Not established	Not established
Protein Hydrolyzate	9015-54-7	No	None	Not established	Not established
Anionic Surfactant Blend	25638-17-9	No	None	Not established	Not established

SAFETY DATA SHEET

ELASTIZELL JLE FOAM CONCENTRATE

SDS ISSUE DATE: 11/08/2015
SUPERSEDES MSDS: 06/12/2015

SECTION 2 NOTES: Contains no materials for which exposure limits have been established. No component is listed in "THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES FOR 2010" from ACGIH except as noted above. Components listed in TITLE III SEC 313 (EPCRA) are indicated by "Yes" above.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If irritation persists seek medical attention.

SKIN: Flush exposed skin with water until gone. Remove affected clothes and wash before reuse. Apply skin cream to restore oil to skin.

INGESTION: If swallowed, dilute by giving large volumes of milk or water. Consult a physician. Do not induce vomiting.

INHALATION: Not applicable

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT DEGREE (CC): None

NFPA HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 SPECIAL: Not applicable

HMIS HAZARD CLASSIFICATION: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PROTECTION: Glasses and gloves

EXTINGUISHING MEDIA: Use equipment appropriate to the main cause of the fire.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

CONCENTRATE: Spilled material may pose a slip hazard. Foaming agent is biodegradable. Collect spilled concentrate with absorbent material. Flush area with water until it no longer foams. Material can be flushed to treatment supported drains. Keep out of waterways and storm sewers. Comply with Federal, State and Local regulations in regards to disposal and reporting spills.

FOAM: Spilled material may pose a slip hazard. Foaming agent is biodegradable. Flush area with water until it no longer foams. Material can be flushed to treatment supported drains. Keep out of waterways and storm sewers. Comply with Federal, State and Local regulations in regards to disposal and reporting spills.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep container closed when not in use. Do not reuse container. Do not store in direct sunlight or at temperatures above 110°F (43°C). Freezing will affect the physical condition of this product but will not damage it. Thaw and mix well before using. Do not mix with any other type or brand of foam concentrate liquid or otherwise contaminate. To do so may reduce or negate effectiveness. The shelf life of properly stored concentrate can exceed 10 years.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : A well ventilated work environment is recommended.

RESPIRATORY PROTECTION: None normally required. If risk of inhalation occurs, use equipment as specified by OSHA/NIOSH for nuisance mists.

EYE PROTECTION: Avoid eye contact. Safety glasses recommended if there is a possibility of contact.

SKIN PROTECTION: Impermeable gloves are recommended for extended exposure.

WORK HYGIENIC PRACTICES: Keep out of eyes and off skin. Wipe up spills as they may pose a slip hazard. Use standard industrial safe handling practices.

SAFETY DATA SHEET
ELASTIZELL JLE FOAM CONCENTRATE

SDS ISSUE DATE: 11/08/2015
SUPERSEDES MSDS: 06/12/2015

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Amber liquid

ODOR: Musty, organic, chemical smell

pH AS SUPPLIED: ~ 9

BOILING POINT: Not applicable

FLASH POINT DEGREE (CC): None

FREEZING POINT: ~32° F

VAPOR PRESSURE @ 20°C: Approximately that of water

SPECIFIC GRAVITY (H₂O = 1): slightly greater than 1 @ 27°C

SOLUBILITY IN WATER: 100%

VOLATILE ORGANIC COMPOUNDS (VOC): None

CALIFORNIA RULE 102 (66): Contains no photochemically active materials

SHELF LIFE: 10 years

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: Cannot occur

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 11 NOTES: This product has not been tested for human toxicological effects.

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Avoid contact with eyes and skin. Do not inhale. Do not ingest

CARCINOGENICITY: Based on the information provided, this product does not contain any carcinogens or potential carcinogens at levels greater than or equal to 0.1% as listed by OSHA, IARC or NTP.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Moderately toxic to aquatic species dependent on transport of dissolved oxygen for survival.

96 hour LC50 = 87 mg/liter for fathead minnows

48 hour EC50 = 321 mg/liter for water fleas

PERSISTENCE, DEGRADABILITY AND BIOACCUMULATION: Biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Concentrate should be retained for next project. Both concentrate and diluted foaming agents are biodegradable. Diluted material can be flushed to treatment supported drains. Keep out of waterways and storm sewers. Comply with Federal, State and Local regulations in regards to disposal.

RCRA HAZARD CLASS: Not applicable.

SAFETY DATA SHEET
ELASTIZELL JLE FOAM CONCENTRATE

SDS ISSUE DATE: 11/08/2015
SUPERSEDES MSDS: 06/12/2015

SECTION 13 NOTES: Product as made does not qualify as an "Unlisted Hazardous Waste" for disposal situations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Air entraining agent for concrete – cement admixture
RATE CLASS: 55
HAZARD CLASS: Not regulated
EMERGENCY GUIDE NUMBER: Not regulated
PACKING GROUP: Not regulated
NMFC #: Item # 42140
LABEL REQUIRED PER 49 CFR 172.101: None
SIZE FOR "LIMITED QUANTITY" PER 49 CFR 173.150-4: Not applicable
REPORTABLE QUANTITY ("RQ") PER 49 CFR 172.101: None or not possible in one non-bulk package

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not applicable

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): A release of greater than 156,000 pounds or over 16,000 gallons of concentrate requires reporting.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): No reportable quantities

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: No reportable quantities

SECTION 16: OTHER INFORMATION

SDS PREPARED BY:



Ned Glysson – Director of Research and Operations

DISCLAIMER: The statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential arising out of their use.