

SAFETY DATA SHEET

UPC Densifier – Lithium Hardener

SDS REVISION DATE: 09/20/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: UPC Densifier – Lithium Hardener

MANUFACTURER: Universal Polymer Coatings, Inc.
DIVISION: Floor Coating
ADDRESS: 737 W. Taft Avenue, Orange CA 92865

EMERGENCY PHONE: 800-255-3924
CHEMTEL PHONE: 800-255-3924
OTHER CALLS: 714-279-1199
FAX PHONE: 714-279-8070

PRODUCT USE: Concrete Surface Impregnating Hardener
PREPARED BY: Universal Polymer Coatings, Inc.

SECTION 2: HAZARDS IDENTIFICATIONS

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
GHS-US CLASSIFICATION

Skin Irritant 2
Eye Irritant 2A
STOT SE 3
Acute Oral Toxicity 4

LABEL ELEMENTS:
GHS LABEL ELEMENTS
HAZARD PICTOGRAMS:



SIGNAL WORD: Warning

HAZARD STATEMENTS:

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H302 May be harmful if swallowed

PRECAUTIONARY STATEMENTS:

PREVENTION: P261 Avoid breathing fume/mist/vapors/spray
P264 Wash skin after handling
P281 use personal protective equipment as required

RESPONSE: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.

STORAGE: P402+P404 Store in a dry place. Store in a closed container.
P404+P235 Store in a well-ventilated place. Keep cool.

DISPOSAL: P501 Dispose of contents/container, in accordance to local/regional/national/international/regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Water	7732-18-5	75 – 95%
• Silicic Acid, Potassium Salt	63148-62-9	2 - 10%
• Surfactant Blend	TS	1 – 5%

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Any remaining components are trade secret.

SECTION 4: FIRST AID MEASURES

GENERAL ADVICE:

- INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.
- SKIN:** If product contacts skin, wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.
- EYES:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
- INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.
- MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:** Exposure to this product may cause irritation to skin and eyes. Inhalation of fumes/vapors may cause irritation to respiratory system. May be harmful if swallowed with digestive tract irritation, diarrhea and vomiting.
- NOTES TO PHYSICIANS/SPECIAL TREATMENT:** Treat symptoms and eliminate overexposure. If seeking medical attention, provide SDS document to physician..

SECTION 5: FIRE-FIGHTING MEASURES

- EXTINGUISHING MEDIA:** Foam, halon, carbon dioxide, dry chemical
- SPECIFIC (UNUSUAL) HAZARDS:** Emits toxic fumes under fire conditions. Not sensitive to mechanical impact or static discharge.
- ADVICE FOR FIRE-FIGHTERS:** Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** See section 8.2 for Exposure Controls
- ENVIRONMENTAL PRECAUTIONS:** Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.
- METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:** Soak up with absorbent material such as clay, sand or other suitable non-reactive material. Place in leak-proof containers. Seal tightly for proper disposal. Dispose of in accordance with U.S. Federal, State and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU member states (see section 13, disposal considerations).
- ADDITIONAL ADVICE:** None known

SECTION 7: HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink or smoke. Wash thoroughly after handling. Avoid breathing fumes. Handle in a well-ventilated work area.
- CONDITIONS FOR SAFE**

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STORAGE, INCLUDING

ANY INCOMPATIBILITIES:

Keep in cool, dry, well-ventilated area in closed containers. Protect containers from physical damage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

None known

ENGINEERING MEASURES:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart 1 (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE and EN 166 for face/eye protection, and those of Japan. Please reference applicable regulations and standards for relevant details.

PERSONAL PROTECTION



EYE PROTECTION:

Safety glasses or goggles are required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA 29 CFR 1910.133, Canadian Standard and the European Standard EN166, Australian Standards or Japanese Standards.

SKIN PROTECTION:

Use body protection appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

HAND PROTECTION:

Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

RESPIRATORY PROTECTION:

Not normally required when using this product. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

SPECIAL INSTRUCTIONS:

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical state
Color

Liquid
Hazy

ODOR:

Characteristic

ODOR THRESHOLD:

No data available

pH:

11.5

MELTING POINT:

@ 32° F, (0° C)

BOILING POINT:

@ 212° F, (100° C)

FLASH POINT:

@ >200° F, (>128.88° C)

EVAPORATION RATE:

No data available

FLAMMABILITY (solid, gas):

No data available

FLAMMABILITY LIMIT IN AIR

Upper:
Lower:

No data available
No data available

VAPOR PRESSURE:

No data available

VAPOR DENSITY:

No data available

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RELATIVE DENSITY:	No data available
SPECIFIC GRAVITY:	1.045
WATER SOLUBILITY:	Soluble
PARTITION COEFFICIENT:	No data available
AUTO-IGNITION TEMP:	No data available
DECOMP TEMP:	No data available
VISCOSITY:	No data available
DENSITY:	No data available

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under conditions of normal storage and use
POSSIBILITY OF HAZARDOUS REACTIONS:	Will not occur
CONDITIONS TO AVOID:	None known
MATERIAL TO AVOID:	Will not occur
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Thermal decomposition products include carbon dioxide, carbon monoxide and phosphorous compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye:	Contact may irritate the eyes, resulting in redness or watering
Effects of Skin:	Repeated or prolonged contact may cause skin irritation
Inhalation Effects:	Inhalation of mists may be irritating to the respiratory tract
Ingestion Effects:	Ingestion may cause gastrointestinal irritation with nausea and diarrhea.

ACUTE TOXICITY

Oral:	No data available
Inhalation:	No data available
Dermal:	No data available
Skin corrosion/irritation:	Irritating
Eye damage/irritation:	Irritating
Sensitization to respiratory:	No data available
Skin sensitisation:	No data available

CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Germ cell mutagenicity:	No data available
Specific target organ systemic toxicity:	
Single exposure:	Eyes, Respiratory system and skin
Repeated exposure:	No data available
Aspiration hazard:	No data available

SECTION 12: EGOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity: No data available

PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available

Mobility in soil: No data available

Bioaccumulation: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan .

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

TDG: Not regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): The components of product are listed or are exempted from listing.

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
CANADA	DSL	Included on Inventory
AUSTRALIA	AICS	Included on Inventory
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Included on Inventory
PHILIPPINES	PICCS	Included on Inventory

EPA SARA Title III Section 311/312 (40 CFR 370) Hazard Classification: None

EPA SARA Title III Section 302, 304 and 313 Component(s): None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): None

State Right-To-Know: None

SECTION 16: DISCLAIMER

OTHER INFORMATION

HMS Rating:

NFPA Rating:

Health: 1

Health: 1

Flammability: 0

Flammability: 0

Physical Hazard: 0

Reactivity: 0

DISCLAIMER: The information herein is given in good faith, but no warranty expressed or implied is made. Universal Polymer Coatings, Inc. urges suppliers and users of this product to evaluate its suitability and compliance with local regulations as Universal Polymer Coatings, Inc. cannot foresee the nature of the final application or final location of usage.