Kel-Crete Industries, Inc.

SDSUS

Version 3.2

Revision date: 1/17/19

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: Kel-Prime

Product No.: KP20001E-KP20002EG

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Primer/Curing/Bonding/Sealing Agent for mortars

Uses advised against: None known.

Details of the supplier of the safety data sheet

Manufacturer/Supplier

Kel-Crete Industries, Inc.

PO Box 52217

Tulsa, OK 74114 US

1-1800-845-1833

Visit our web site at www:Kel-Crete.com, or email:kelcrete@sbcglobal.net

Emergency telephone number:

For emergency health, safety, and environmental information call 1-800-845-1833, or 1-918-744-0800.

For emergency transportation information in the US call 1-800-845-1833, or 1-918-744-0800.

SECTOPM 2: Hazards identification

Hazard classification:

Health hazards

Skin sensitizer	Category 1B
Skin corrosion/irritation	Category 2

Specific target organ toxicity-single exposure	Category 3
Serious eye damage/eye irritation	Category 2

OSHA Specified Hazards:

May be harmful if swallowed	Category 4

Warning label items including statement:

Pictogram:

Signal words: **WARINING!**

Hazard Statement(s) **H315: Causes skin irritation.**

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

Precautionary statement:

Prevention continued:

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/ eye Protection/face protection.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P271: Use only outdoors or in a well-ventilated area.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and Water.
P333+P313: If skin irritation or rash occurs: Get medical Advice/attention.
P362: Take off contaminated clothing and wash before Reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with Water for several minutes. Remove contact lenses if Present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical Advice/attention.
P304+P340: IF INHALED: Remove victim to fresh air

And keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel Unwell.

Disposal: P501: Dispose of contents/container to an appropriate treatment And disposal facility in accordance with applicable laws and Regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise Classified (HNOC): None known.

SECTION 3: Composition/information on ingredients

Substance/Mixtures

General information:

Chemical name	Concentration	Additional identification	Notes
Acrylic polymer(s)	>46%	Non-hazardous	
Residual monomers	5%	Not required	
Aqua ammonia	1%	1336-21-6	
Water	54%	7732-18-5	
Additive(s)	1%	N/A	

SECTION 4: First aid measures

Description of first aid measures

Inhalation: Move to fresh air. Treat symptomatically. Get medical attention if Symptoms persist.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if Symptoms persist.

Skin contact: Immediately flush with plenty of water for at least 15 Minutes while removing contaminated clothing and shoes. If skin Irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before use. Destroy or thoroughly clean contaminated shoes.

Ingestion: Seek medical advice.

Most important symptoms And effects, both acute and Delayed: May irritate and cause redness and pain. Allergic rash. Respiratory tract irritation.

Indication of any immediate medical attention and special treatment needed

Hazards: None known.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

Flash point Noncombustible

Ignition temperature Not applicable

Lower explosion limit Not applicable

Upper explosion limit Not applicable

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Specific hazards during firefighting: Material can splatter above 100C/212F.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

Advice for firefighters

Special fire fighting

Procedures: N/A

Special protective equipment

For firefighters: Self-contained breathing apparatus and full protective Clothing must be worn in case of fire.

Section 6: Accidental release measures

Person precautions, Wear appropriate person protective equipment.

Protective equipment and emergency

Procedures:

Environmental precautions: N/A

Methods and material for

Containment and cleaning up: Water cleanup.

Notification procedures: In the event of a spill or accidental release, notify relevant Authorities in accordance with all applicable regulations.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid breathing liquid. Do not get in eyes, on skin, on Clothing. Use only with adequate ventilation. Wash Thoroughly after handling.

Conditions for safe storage, Keep container tightly closed and in a well-ventilated Place.

Including any incompatibilities.

Specific end use(s): Primer/Bonding/Curing/Sealing agent.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid breathing liquid. Do not get in eyes, on skin, on clothing. Use only with adequate ventilation. Wash thoroughly after handling. Minimize dust generation and accumulation.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed and in a well-ventilated place.

Specific end use(s): Bonding/Curing/Hardening/Sealing for mortars.

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Other data: Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8 for types of ventilation required. NOTE: Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation.

Storage: Further information on storage conditions: Keep from freezing—product stability may be affected.

STIR WELL BEFORE USE.

Storage temperature: 1-49 C (34-120 F)

SECTION 8: Controls/Personal Protection

Control parameters

Occupational exposure limits Country specific exposure limits have not been Established or are not applicable unless listed below.

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air charges per Hour) should be used. Ventilation rates should be Matched to conditions. If applicable, use process Enclosures, local exhaust ventilation, or other Engineering controls to maintain airborne levels below Recommended exposure limits. If exposure limits have

Not been established, maintain airborne levels to an Acceptable level.

Individual protection measures, such as personal protective equipment

General information: Eye bath. Washing facilities. Safety shower.

Eye/face protection: Wear safety glasses with side shields (or goggles) and a Face shield. Wear a full-face respirator if needed.

Skin protection Wear chemical-resistant gloves, footwear, and protective Clothing appropriate for the risk of exposure.

Hand protection continued:

Health and safety professional or manufacturer for Specific information.

Other: No data available.

Respiratory Protection: If engineering controls do not maintain airborne concentrations Below recommended exposure limits (where applicable) or to An acceptable level (in countries where exposure limits have Not been established), an approved respirator must be worn. In The United States of America, if respirators are used, a program Should be instituted to assure compliance with OSHA Standard Assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate Government approved (where applicable), air-purifying filter, Cartridge or canister. Contact health and safety professional or Manufacturer for specific information.

Hygiene measures: Observe good industrial hygiene practices.

Environmental controls: No data available.

Exposure limit(s)

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value
Aqua ammonia		TWA	10 ppm, as ammonia
Aqua ammonia	ACGIH	TWA	25 ppm
Aqua ammonia	ACGIH	STEL	35 ppm
Aqua ammonia	OSHA P1	TWA	35 mg/m3 50 ppm
Aqua ammonia	OSHA P0	STEL	27 mg/m3 35 ppm

Exposure controls

Engineering measures: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation. A Manual of Recommended Practice published by the American Conference of Government Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Form Liquid Milky

Color White

Odor Ammonia

pH 8.0 – 9.0

Boiling point/Boiling Range 100º C (212.00º

Flash point Noncombustible

Evaporation	<1.00 Water
Lower explosion limit	N/A
Upper Explosion limit	N/A
Vapor pressure	22.6648 Pa at 20º C (68.00º F) Water
Relative vapor density	<1.0 Water
Relative density	1.00 – 1.20
Water solubility	Dilutable
Auto ignition temperature	N/A
Viscosity, dynamic	600.00 mPa.s maximum
Percent volatility	53 – 54% Water
Admixtures	1 -2%

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

Chemical stability:	Stable
Hazardous reactions	None known
Materials to avoid	There are no known materials which are incompatible with this product.
Hazardous decomposition products:	Thermal decomposition may yield acrylic Monomers.
Polymersion	Product will not undergo polymerization.

SECTION 11: Toxicological information

Toxicological information on this product or its components appear in this section when such data is available.

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

Acute oral toxicity	LD50 rat > 5,000 mg/kg
Acute dermal toxicity	LD50 > 5,000 mg/kg
Skin irritation	Rabbit may casue transient irritation
Eye irritation	Rabbit no eye irritation
Component: Residual monomers	
Acute inhalation toxicity	The LC50 has not been determined.
Component: Aqua ammonia	
Acute inhalation toxicity	LC50 rat male 1 hour 9.850 mg/l
Component: Aqua ammonia	
Sensitization	For skin sensitization: no relevant data found.
Component Aqua ammonia	
Sensitization	For respiratory sensitization: no relevant data found
Component: Aqua ammonia	
Subchronic toxicity	Based on available data, repeated exposures are not Anticipated to cause additional significant adverse Effects.
Component: Aqua ammonia	
Carcinogenicity:	Did not cause cancer in laboratory animals.
Component: Aqua ammonia	
Reproductive toxicity	Available data are inadequate to determine effects On reproduction.
Teratogenicity:	Available data are inadequate for evaluation of Potential to cause fetotoxicity.

TOXICOLOGICAL INFORMATION Cont.

Mutagenicity: In vitro genetic toxicity studies were negative.

Animal genetic toxicity studies were negative.

12. ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appear in this section when such data is available.

There is no data available for this product.

Residual Monomers

Elimination information (persistence and degradability)

Biodegradability No relevant data found.

Ecotoxicity effects

Toxicity to fish No relevant data found.

Aqua ammonia

Elimination information (persistence and degradability)

Biodegradability Material is expected to be readily biodegradable.
Biodegration may occur under aerobic conditions (in the Presence of oxygen).

Ecotoxicity effects

Toxicity to fish Material is highly toxic to aquatic organisms on an acute Basis (LC50/ED50 between 0.1 and 1 mg/L in the most Sensitive species tested).

Toxicity to fish LC50 Fish 96 Hour. 0.89 mg/L

Toxicity to aquatic invertebrates static test LC50 Daphnia magna (water flea) 48 hour 101 mg/L

13. DISPOSAL CONSIDERATIONS

Environmental precautions: CAUTION. Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic, Leaching Procedure (TCLP)

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

15. REGULATORY INFORMATION

Workplace Classification

OSHA This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200).

WHMIS: This product is not a "controlled product under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE III: Section 311/312 Categorizations (40CFR370): This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE III: Section 313 Information (40CFR372): This product does not contain a chemical which is listed in Section 313 at or above the minimis concentrations.

CERCLA Information (40CFR302.4): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

United States TSCA Inventory (US.TSCA): All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Pennsylvania: Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2. Composition/Information on Ingredients of this SDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

16. OTHER INFORMATION

HMIS Hazard Rathing

Health	Flammability	Physical Hazard
1	0	0

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

BAc: Butyl acetate

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

l: Bar denotes a resision from prior SDS

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is

16. OTHER INFORMATION cont.

not to be considered a warranty, or quality specification. The information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials, or in any process, unless specified in the text.