

Kel-Crete Industries, Inc.
PO Box 52217
Tulsa, OK 74152-0217

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY INFORMATION

KEL-CRETE PREMIUM LIQUID ADMIXTURE

Company **Kel-Crete Industries, Inc.**
PO Box 52217
Tulsa, OK 74152-0217

Telephone 918-744-0800

Emergency telephone number 918-744-0800

Product name **Kel-Crete Premium Liquid Admixture**

TSCA Inventory All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Canadian DSL All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).

2. HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>	<u>Weight %</u>
SODIUM HYDROXIDE	1310-73-2	N.E.	N.E.	2 mg/m3	2 mg/m3	1.00-5.00%

3. HAZARDS IDENTIFICATION

HMIS® Rating HEALTH 2 FLAMMABILITY 0 PHYSICAL HAZARD 0

WHMIS Class D2B
E

Effects of Overexposure

Inhalation Harmful by inhalation. Can cause destructive burns of mucous membranes.

Skin Can cause severe irritation and possible burns.

Eyes Corrosive. Can cause severe irritation, redness, tearing and blurred vision and possible Burns and corneal injury.

Ingestion Corrosive! Can cause severe and permanent damage to mouth, throat and stomach.

Chronic exposure Existing respiratory or skin ailments may be aggravated by exposure.

<u>Carcinogenicity</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
SODIUM HYDROXIDE	N.E.	N.E.	N.E.	N.E.

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4. FIRST AID MEASURES

Eye contact	Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and water. If Irritation persists seek medical attention. Wash contaminated clothing before Reuse.
Ingestion	Do not induce vomiting without medical advice. If conscious, drink plenty of Water. If a person feels unwell or symptoms of skin appear consult a physician. If a person vomits place him/her in the recovery position. Never give anything By mouth to an unconscious person.
Inhalation	Remove victim from exposure. If difficulty with breathing, administer oxygen. If Breathing has stopped administer artificial respiration, preferable mouth-to-Mouth. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flash point	Not applicable
Autoignition temperature	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire. Water should be Used to keep fire-exposed container cool to prevent rupture. Closed con-tainers may explode due to pressure when exposed to extreme heat.
Special fire-fighting pro-cedures	As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Methods	Evacuate personnel to safe areas. Wear personal protective equipment (refer to section 8). Contain spill immediately. Soak up with inert absorbent Material such as sand, earth, vermiculite, etc. Take up mechanically and Collect in suitable container for disposal.
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7. HANDLING AND STORAGE

Handling	Avoid freezing. Keep out of reach of children. For personal protection see Section 8. Keep containers tightly closed. Smoking, flames and sparks
Storage	Should not be permitted in storage area as hydrogen gas may be generated By contact with certain metals such as aluminum, tin and zinc. Avoid contact With metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection	When handling product, wear protective equipment such as: safety Glasses with side-shields, face shield, goggles.
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Hand protection	Wear chemically resistant gloves
Body protection	Wear as appropriate: Chemically resistant clothes Preventive skin protection
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment. When Workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.
Hygienic practices	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, Especially in confined areas. Wash hands before breaks and at the end Of workday. When using do not eat, drink or smoke. Handle in accordance With good industrial hygiene and safety practice.
Engineering Controls	Local exhaust ventilation can be necessary to control any air contaminants To within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color	Brown liquid
Physical state	Liquid
Odor	Pine resin odor
pH	12.2 – 13.5
Odor threshold	No data available
Vapor pressure	No data available
Vapor density	Heavier than air (air =1>1)
Boiling point/range	ca. 214° F. (101° C.)
Freeze point	28° F. (-2° C.)
Water solubility	Completely soluble
Specific gravity	(H2O=1) ≥1.06
Viscosity	No data available
Evaporation rate	No data available
Partition coefficient (n-octano/water)	No data available
VOC Concentration as applied Less water and exempt Solvents	0 g/l

Kel-Crete/Kel-Gel Premium Liquid Admixture

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to avoid	No data available
Materials to avoid	Strong mineral acids, oxidizing agents, aluminum, galvanized metals.
Hazardous decomposition Products	Hydrogen in contact with aluminum or zinc. After evaporation of water, combustion will generate: Nitrogen oxides (NOx), carbon oxides
Hazardous polymerization	Will not occur under normal conditions.

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11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

	Type	Value	Species	Exposure time
Product	LC50	no data available		
Component				
Sodium Hydroxide	LC50	no data available		

Acute oral toxicity

	Type	Value	Species
Product	LD50 (oral)	no data available	
Component			
Sodium hydroxide	LD50 (oral)	11,300 mg/kg	

Acute dermal toxicity

	Type	Value	Species
Product	LD50 (dermal)	no data available	
Component			
Sodium hydroxide	LD50 (dermal)	no data available	

12. ECOLOGICAL INFORMATION

Exotoxicological information There is no data available for this product.

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13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

14. TRANSPORT INFORMATION

DOT	Proper shipping name	Not regulated
IATA	Proper shipping name	Not regulated

15. REGULATORY INFORMATION

SARA 311/312 (RTK)

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>Weight</u>	<u>CAS No.</u>	<u>Chemical Name</u>
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This product contains no chemicals subject to the SARA 313 supplier notification requirements.

CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<u>RQ</u>	<u>CAS No.</u>	<u>Chemical Name</u>
1,000 lbs.	1310-73-2	SODIUM HYDROXIDE

TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<u>CAS No.</u>	<u>Chemical Name</u>
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There are no TSCA 12(b) Chemicals in this product.

California Proposition 65

The chemical(s) noted below and contained in this product are known to the state of California to cause cancer, birth defects, or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at <0.1%.

<u>CAS No.</u>	<u>Chemical Name</u>
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There are no Proposition 65 chemicals known to exist in this product.

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16. OTHER INFORMATION

Legend

N.E. – Not Established
TLV – Threshold Limit Value
STEL – Short Term Exposure Limit
PEL – Permissible Exposure Limit
CEIL – Ceiling

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement or other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.