

SureHard LS (466)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 11/21/14 Supersedes: 11/07/14

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier

Product Name and Code:

SureHard LS (466)

1.2. Intended Use of the Product

Use of the substance/mixture: Surface Hardener

1.3. Name, Address, and Telephone of the Responsible Party

Company

Kaufman Products, Inc.
3811 Curtis Avenue
Baltimore, MD 21226-1131
410-354-8600

<http://www.kaufmanproducts.net/>

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Skin irritant, 2	H315
Serious eye damage, eye irritant, 2A	H319
STOT SE 3	H335

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

Warning

Hazard Statements

H315- Causes skin irritation
H319 - Causes serious eye irritation
H335 – May cause respiratory irritation

Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing mist, spray, vapors
P273 - Avoid release to the environment
P280 - Wear eye protection, protective clothing, protective gloves
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313 - If exposed or concerned: Get medical advice/attention

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P312 - Call a POISON CENTER/doctor/physician if you feel unwell
 P370+P378 - In case of fire: Use appropriate media for extinction
 P391 - Collect spillage
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P235 - Keep cool
 P501 - Dispose of contents/container to local, regional, national, and international regulations

2.3. Other Hazards

No additional information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture: SureHard LS

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5	70-90	Not classified
Lithium Silicate	(CAS No) 12627-14-4	10-30	Skin irritant, 2, H315 Eye Irritation 2A, H315 STOT SE 3, H335

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: May cause respiratory irritation.

Symptoms/Injuries After Inhalation: Remove to fresh air

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries After Ingestion: Wash out mouth with water, obtain medical advice if symptoms persist.

Chronic Symptoms: None identified.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: The product is not combustible. Use extinguishing media appropriate for surrounding fire.

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Unsuitable Extinguishing Media: All extinguishing media are allowed. Select appropriate extinguishing media depending on the surrounding fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Product is an aqueous solution which will not burn.

Explosion Hazard: Not established

Reactivity: Not reactive

5.3. Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Collect spillage. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Avoid contact with skin and eyes.

Precautions for Safe Handling: Use in a well-ventilated area. Avoid breathing vapours, mist, spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Store in cool, dry place.

Storage Conditions: Keep container closed when not in use.

Incompatible Products: Strong acids.

Incompatible Materials: Heat sources.

Storage Area: Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific End Use(s): Surface Hardener

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters: Not Applicable

8.2. Exposure Controls

Appropriate Engineering Controls : Ensure all national/local regulations are observed.

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Personal Protective Equipment : Protective clothing. Insufficient ventilation: wear respiratory protection. Gloves. Protective goggles.



Materials for Protective Clothing : Chemically resistant materials and fabrics.
Hand Protection : Wear chemically resistant protective gloves.
Eye Protection : Chemical goggles or safety glasses.
Skin and Body Protection : Wear suitable protective clothing.
Respiratory Protection : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid
Appearance : Water clear
Odor : No data available
Odor Threshold : No data available
pH : 10.8
Relative Evaporation Rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : Slower than ether
Melting Point : No data available
Freezing Point : No data available
Boiling Point : 100 °C (212 °F)
Flash Point : Not flammable
Auto-ignition Temperature : No data available
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available
Vapor Pressure : No data available
Relative Vapor Density at 20 °C : Heavier than air
Relative Density : 1.08
Solubility : Water: Miscible
Log Pow : No data available
Log Kow : No data available
Viscosity : No data available

9.2. Other Information

VOC content : 0 %

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal conditions

10.2 Chemical Stability: Stable

10.3 Possibility of Hazardous Reactions: When arc welding vessels containing aqueous solutions of this product, take care to control any explosion risk from hydrogen evolved by electrolysis. This product will react with aluminum, zinc, tin and their alloys

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evolving hydrogen gas which can form an explosive mixture with air. This product can react violently if in contact with acids. It can also react with sugar residues to form carbon monoxide.

10.4 Conditions to Avoid: See Sect. 10.3

10.5 Incompatible Materials: See Sect. 10.3

10.6 Hazardous Decomposition Products: None recognized.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Ingestion of lithium compounds may damage the central nervous system.

Water (7732-18-5)	
LD50 Oral Rat	> 90000 mg/kg

Skin Corrosion/Irritation: Irritating to skin

Serious Eye Damage/Irritation: Highly irritating

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: No

Reproductive Toxicity: Teratogenic effects have been observed in laboratory animals.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Potential Adverse Human Health Effects and Symptoms: Irritating.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries After Ingestion: No long term effects if small quantities are ingested.

Chronic Symptoms: None identified.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – General: No Data :

12.2. Persistence and Degradability

SureHard LS	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

SureHard LS	
Bioaccumulative Potential	None

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information:

K A U F M A N

PRODUCT
INFORMATION

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3811 CURTIS
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Ecology – Waste Materials: No data available

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT : NOT REGULATED

14.2 In Accordance with IMDG : NOT REGULATED

14.3 In Accordance with IATA : NOT REGULATED

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Lithium Silicate (12627-14-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations

California : This product does not contain any chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Flam. Liq. 2	Flammable liquids Category 2
Repr. 1A	Reproductive toxicity Category 1A
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H232	May form combustible dust concentrations in air
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

LIMITED WARRANTY

11/24/2014

EN (English US)

6/7

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