

Expose (820)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 06/19/15

Supersedes: 11/21/14

Version: 1.0

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

1.1. Product Identifier

Product Name and Code:

Expose 820

1.2. Intended Use of the Product

Use of the substance/mixture: Surface retarder to expose aggregate on freshly placed concrete

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)

2.2. Label Elements

Not classified under GHS

GHS-US Labeling

Hazard Pictograms (GHS-US) :

Signal Word (GHS-US)

This product has no label elements under GHS

Hazard Statements

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
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

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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: Expose (820)

Name	Product identifier	%	Classification (GHS-US)
Water	(CAS No) 7732-18-5	70-80	Not classified
Gluconic Acid	(CAS No) 526-59-4	20-30	Not Classified

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.

First-aid Measures After Eye Contact: Rinse 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 irritation and redness in susceptible individuals.

Symptoms/Injuries After Eye Contact: May cause mild irritation. Eyes may water profusely.

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.

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.

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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: None listed.

Incompatible Materials: Heat sources.

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

7.3. Specific End Use(s): Retarder to expose aggregate on fresh poured concrete.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters:

Gluconic Acid (526-59-4)

USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
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8.2. Exposure Controls

Appropriate Engineering Controls

: Ensure all national/local regulations are observed.

Personal Protective Equipment

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



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

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Hand Protection	: Protective gloves.
Eye Protection	: Chemical goggles or safety glasses.
Skin and Body Protection	: Wear suitable protective clothing.
Respiratory Protection	: Respirator with particle filter.
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	: Light blue
Odor	: No data available
Odor Threshold	: No data available
pH	: Basic
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	: Unknown
Relative Density	: 1.04
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:** Will not polymerize
- 10.4 Conditions to Avoid:** Direct Sunlight
- 10.5 Incompatible Materials:** Avoid contact with strong oxidizers
- 10.6 Hazardous Decomposition Products:** In combustion, emits toxic fumes of carbon dioxide/carbon monoxide.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Ingestion of small amounts incidentally as a result of normal handling are not likely to cause injury.

Gluconic Acid (526-59-4)	
LD50 Oral Rat	>2000 mg/kg

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LD50 Intravenous	7630 ppm (Exposure time: 8 h)
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Water (7732-18-5)	
LD50 Oral Rat	> 90000 mg/kg

Skin Corrosion/Irritation: Irritating to skin

Serious Eye Damage/Irritation: May cause irritating

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: No

Reproductive Toxicity: Not classified.

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 :

Gluconic Acid (526-59-4)	
LC50 Fish 1	>1000 mg/L (Exposure Time : 96Hr- Species : Lepomis macrochirus)
EC50 Daphnia 1	>1000 mg/L (Exposure Time : 48 Hr. -Species : Daphnia magna)

12.2. Persistence and Degradability

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Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

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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:

Ecology – Waste Materials: No data available

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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	

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
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
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

LIMITED WARRANTY

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