

# SAFETY DATA SHEET



## Section 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product identifier**  
Product name ZnBrite KA-521 BRIGHTENER
- 1.2. Other means of identification**  
None
- 1.3. Recommended use of the chemical and restrictions on use:**  
Recommended Use Potassium/Ammonium chloride zinc brightener
- 1.4. Details of the supplier of the safety data sheet**  
Address A Brite Company  
3217 Wood Drive  
Garland, TX 75041  
Phone number 1-888-8ABRITE  
Website www.abrite.com
- 1.5. Emergency phone number**  
Emergency telephone 1-800-424-9300 (CHEMTREC)

## Section 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the chemical in accordance with 29 CFR 1910 (OSHA HCS)**
- |                          |            |
|--------------------------|------------|
| Skin Irritant            | Category 2 |
| Serious Eye Damage       | Category 1 |
| Acute Aquatic Toxicity   | Category 3 |
| Chronic Aquatic Toxicity | Category 3 |

**2.2. Label Elements**



**Pictogram**

**Signal Word** Danger

**Hazard Statements**

H315	Causes skin irritation
H318	Causes serious eye damage
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

**Precautionary statements**

Prevention

P264	Wash hands and exposed skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye/face protection.

Response

P302+P352	If on skin: wash with plenty of soap and water.
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P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P305+P351+P338+P310	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
P321	Specific treatment (see section 4 on the safety data sheet).

Storage

None

Disposal

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

**2.3. Hazards not otherwise classified**

None

**2.4. Ingredient(s) with unknown acute toxicity**

None

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Chemical name and concentration/concentration ranges**

The specific chemical identity of this product is being withheld as a trade secret in accordance with OSHA 29 CFR 1910.1200(i).

**3.2. Common name and synonyms**

See 3.1

**3.3. CAS number and other unique identifiers**

See 3.1

**3.4. Impurities/stabilizing additives**

See 3.1

**Section 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. Consult a doctor if you feel unwell. If not breathing, give artificial respiration. If unconscious, place in recovery position and get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing and shoes before reuse.
<b>Eye contact</b>	Immediately rinse with water for 30 minutes, removing contact lenses if present. Call a doctor immediately.

**Ingestion**

Rinse mouth with water. Do not induce vomiting. If person vomits, place in recovery position on side to prevent aspiration of vomit into airways. Get medical attention if you feel unwell.

**4.2. Most important symptoms/effects, acute and delayed**

See symptoms and effects in sections 2 and 11. Causes serious eye damage. Causes skin irritation.

**4.3. Indication of immediate medical attention and special treatment, if necessary**

Treat symptoms. Contact a poison center if large amounts are inhaled or ingested.

**Section 5: FIRE FIGHTING MEASURES**

**5.1. Suitable/ unsuitable extinguishing media**

This material is not combustible; however, if in a fire use extinguishing media suitable to surrounding fire (carbon dioxide, dry chemical, water spray, or alcohol resistant foam). Do not use water jet as this may spread the fire.

**5.2. Specific hazards arising from chemical**

Hazardous gases that may be produced upon thermal decomposition include carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, and hydrogen chloride. Upon heating or in a fire, container may increase in pressure and rupture. Cool container with water spray. Aquatic hazard—prevent contaminated fire fighting water from discharging into sewer system or the environment.

**5.3. Special protective equipment and precautions for fire-fighters**

Fire fighters should wear self-contained breathing apparatus and protective clothing.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment, and emergency procedures**

Use personal protective equipment (gloves, eye/face protection) to prevent eye and skin contact. Avoid breathing mist, vapor, or spray. Ensure adequate ventilation or wear respirator. Wash contaminated clothing before reuse. Prevent discharge into the environment.

**6.2. Methods and materials for containment and cleaning up**

Stop leak if without risk and move containers from spill area. For small spills, flush to treatment system with large amounts of water or wipe up with inert absorbent material and clean surface thoroughly to remove residual contamination. For large spills, sweep up or soak up with inert absorbent material and place into suitable containers. Keep out of fish bearing waters. To dispose of waste, dump to wastewater treatment system or dispose of via licensed waste contractor. Observe local, state, and federal regulations.

**Section 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Wear appropriate PPE (see section 8). Do not allow material to contact eyes. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist. Wear a respirator if ventilation is inadequate. Keep container closed when not in use. Wash hands thoroughly after handling. For industrial use only. Keep away from children.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed when not in use, and store locked up in a cool, dry, and well-ventilated area. Use appropriate containment to avoid environmental contamination.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Contains the following substances with occupational exposure limits:

*Sodium metabisulfite* (< 5%), 7681-57-4: ACGIH TLV TWA = 5 mg/m<sup>3</sup>

*Ammonium hydroxide* (< 1%), 1336-21-6: ACGIH TLV TWA = 25 ppm, STEL = 35 ppm; NIOSH REL TWA = 25 ppm, 18 mg/m<sup>3</sup>; NIOSH REL ST = 35 ppm, 27 mg/m<sup>3</sup>

### 8.2. Appropriate engineering controls.

Ensure ventilation is adequate. Local exhaust may be necessary to maintain air contamination at acceptable levels. Keep containers tightly closed when not in use. Use good industrial hygiene and safety practice. Wash hands thoroughly before breaks and at the end of the workday. Eyewash fountains and safety showers must be easily accessible.

### 8.3. Individual protection measures

<b>Eye/face protection</b>	Wear tightly fitting safety glasses/goggles. Wear a face shield if splashing is likely to occur.
<b>Skin/body protection</b>	Handle with gloves. Use appropriate glove removal technique, and wash and dry hands after use.
<b>Respiratory protection</b>	Use adequate ventilation. Use NIOSH approved respiratory equipment if ventilation is inadequate.
<b>General considerations</b>	Always wash hands before smoking/eating/drinking or using the toilet. Wash contaminated clothing and other PPE before storage or reuse. Eyewash fountains and safety showers must be easily accessible.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Clear, colorless to yellow liquid
<b>Odor</b>	Pungent odor
<b>Odor threshold</b>	No applicable information is available
<b>pH</b>	6.75-8.5
<b>Melting/freezing point</b>	No applicable information is available
<b>Boiling point/boiling range</b>	100 °C (212 °F)
<b>Flash point</b>	No applicable information is available
<b>Evaporation rate</b>	No applicable information is available
<b>Flammability (solid/gas)</b>	No applicable information is available
<b>Flammability limits</b>	No applicable information is available
<b>Vapor pressure</b>	No applicable information is available
<b>Vapor density</b>	No applicable information is available
<b>Relative density</b>	1.03 – 1.08
<b>Solubility(ies)</b>	Completely soluble in water
<b>Partition coefficient (n-octanol/water)</b>	No applicable information is available
<b>Auto-ignition temperature</b>	No applicable information is available
<b>Decomposition temp</b>	No applicable information is available
<b>Viscosity</b>	No applicable information is available

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## Section 10: STABILITY AND REACTIVITY

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**10.1. Reactivity**

No applicable information is available

**10.2. Chemical stability**

Stable under normal conditions of storage and use.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization does not occur. Possible reactions with incompatible materials.

**10.4. Conditions to avoid**

Avoid storage with incompatible materials.

**10.5. Incompatible materials**

Strong oxidizing agents, strong acids

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition products include carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, and hydrogen chloride.

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## Section 11: TOXICOLOGICAL INFORMATION

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**11.1. Information on the likely routes of exposure and symptoms**

No adverse health effects are expected if the product is handled in accordance with the SDS and the product label. Routes of entry include eye, inhalation, and ingestion.

<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Ingestion</b>	May irritate mucous membranes of the mouth, throat, esophagus, and stomach.
<b>Skin</b>	Causes skin irritation.
<b>Eye contact</b>	Severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**11.2. Numerical measures of toxicity**

Oral ATE > 19000 mg/kg  
Inhalation ATE > 30 mg/L

**11.3. Carcinogenicity**

This product does not contain any components that are listed as known or suspected carcinogens by NTP, IARC, or OSHA.

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## Section 12: ECOLOGICAL INFORMATION

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**12.1. Ecotoxicity**

This product is classified as harmful to aquatic life with long lasting effects. No tests have been performed on this mixture, but the calculated LC50 (GHS additivity method) from relevant ingredients is 27 – 157 mg/L.

<b>12.2.</b>	<b><u>Persistence/degradability</u></b>	No applicable information is available
<b>12.3.</b>	<b><u>Bioaccumulative potential</u></b>	No applicable information is available
<b>12.4.</b>	<b><u>Mobility in soil</u></b>	No applicable information is available
<b>12.5.</b>	<b><u>Other adverse effects</u></b>	No applicable information is available

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Dump to wastewater treatment system. Dispose of contaminated packaging and material wastes in accordance with all applicable federal, state, and local laws and regulations regarding health and pollution.

**Section 14: TRANSPORT INFORMATION**

<b>UN number</b>	Not regulated under 49 CFR 172.101.
<b>UN proper shipping name</b>	No applicable information is available
<b>Transport hazard class(es)</b>	No applicable information is available
<b>Packing group, if applicable</b>	No applicable information is available
<b>Environmental hazards</b>	No applicable information is available
<b>Transport in bulk</b>	No applicable information is available
<b>Special precautions</b>	No applicable information is available

**Section 15: REGULATORY INFORMATION**

**15.1. Regulatory information**

Product classified according to OSHA CFR 29 1910.1200. See section 2.

**TSCA**

Components found in TSCA inventory.

**SARA Title III Section 302**

No ingredients subject to reporting requirements

**SARA Title III Section 311/312**

Acute Health Hazard

**SARA Title III Section 313**

Ammonium hydroxide (< 1%), 1336-21-6

**Massachusetts/Pennsylvania/New Jersey Right to Know Components:**

Ammonium hydroxide (< 1%), 1336-21-6

**California Prop. 65 Components**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**RQ**

Ammonium hydroxide (< 1%) = 1000lb (454 kg)

**Section 16: OTHER INFORMATION**

**NFPA/HMIS Hazard Codes (minimal = 0, slight = 1, moderate = 2, serious = 3, severe = 4)**

Health: 1/1

Fire: 0/0

Reactivity: 0/0

Special: NA

## ZnBrite KA-521 BRIGHTENER

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**Date Prepared**

08/06/2015

### **Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither A Brite Company nor any of its employees or subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**