

SAFETY DATA SHEET



Section 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product identifier**
Product name ZnBrite KA-522 REPLENISHER
- 1.2. Other means of identification**
None
- 1.3. Recommended use of the chemical and restrictions on use:**
Recommended Use Potassium/Ammonium chloride zinc plating bath additive
- 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)**
Serious Eye Damage Category 1
Chronic Aquatic Toxicity Category 3

2.2. Label Elements



Pictogram

Signal Word Danger

Hazard Statements

H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.

Response

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.

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

Inhalation

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.

Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: consult a doctor. Wash contaminated clothing and shoes before reuse.

Eye contact

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. Get medical attention if you feel unwell. If person vomits, place in recovery position on side to prevent aspiration of vomit into airways and get medical attention.

4.2. Most important symptoms/effects, acute and delayed

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

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

Treat symptoms.

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).

5.2. Specific hazards arising from chemical

Hazardous gases that may be produced upon thermal decomposition include carbon monoxide, carbon dioxide, and sulfur oxides. 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 breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Do not ingest. 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 away from incompatible materials (see section 10). Protect from freezing. Use appropriate containment to avoid environmental contamination.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no ingredients with occupational exposure limits in a concentration > 0.0001 %.

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

Eye/face protection	Wear tightly fitting safety glasses/goggles and a face shield.
Skin/body protection	Handle with gloves. Use appropriate glove removal technique, and wash and dry hands after use.
Respiratory protection	Use adequate ventilation. Use NIOSH approved respiratory equipment if ventilation is inadequate.
General considerations	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

Appearance	Clear, light yellow liquid
Odor	Mild odor
Odor threshold	No applicable information is available
pH	7.5 – 9.0
Melting/freezing point	No applicable information is available
Boiling point/boiling range	100 °C (212 °F)
Flash point	No applicable information is available
Evaporation rate	No applicable information is available
Flammability (solid/gas)	No applicable information is available
Flammability limits	No applicable information is available
Vapor pressure	No applicable information is available
Vapor density	No applicable information is available
Relative density	1.01 – 1.07
Solubility(ies)	Completely soluble in water
Partition coefficient (n-octanol/water)	No applicable information is available
Auto-ignition temperature	No applicable information is available
Decomposition temp	No applicable information is available
Viscosity	No applicable information is available

Section 10: STABILITY AND REACTIVITY

- 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.

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, and sulfur oxides.

Section 11: TOXICOLOGICAL INFORMATION

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. Primary route of entry is eye contact.

Inhalation	Not hazardous by inhalation. May irritate respiratory tract.
Ingestion	Not hazardous by ingestion. May irritate mucous membranes of the mouth, throat, esophagus, and stomach.
Skin	May irritate skin.
Eye contact	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

Material is not toxic by oral, dermal, or inhalation exposure. ATE > 2000 mg/L for all exposure routes.

11.3. Carcinogenicity

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

Section 12: ECOLOGICAL INFORMATION

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 has been classified by the GHS summation method as chronic aquatic toxicity category 3.
12.2. Persistence/degradability	No applicable information is available
12.3. Bioaccumulative potential	No applicable information is available
12.4. Mobility in soil	No applicable information is available
12.5. Other adverse effects	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

UN number	Not regulated under 49 CFR 172.101.
UN proper shipping name	No applicable information is available
Transport hazard class(es)	No applicable information is available
Packing group, if applicable	No applicable information is available

Environmental hazards	No applicable information is available
Transport in bulk	No applicable information is available
Special precautions	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

No ingredients subject to reporting requirements

Massachusetts/Pennsylvania/New Jersey Right to Know Components

None

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

None

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

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Disclaimer

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End of Safety Data Sheet