

SAFETY DATA SHEET



Section 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product identifier**
Product name BRITE-NICKEL CARRIER
- 1.2. Other means of identification**
None
- 1.3. Recommended use of the chemical and restrictions on use:**
Recommended Use Nickel plating 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)**
Skin sensitization Not classified.
- 2.2. Label Elements**
- Pictogram** No pictogram
- Signal Word** No signal word
- Hazard Statements** No known significant effects or critical hazards. Precautionary statements
- Prevention** Do not eat, drink or smoke when using this product.
- Response** Get medical attention if you feel unwell.
- Storage** Store in cool/well-ventilated place. Keep container tightly closed.
- Disposal** Dispose of contents and container in accordance with all local, regional, national and international 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 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Skin contact | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Eye contact | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| Ingestion | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
- 4.2. Most important symptoms/effects, acute and delayed**
No known significant effects or critical hazards.
- 4.3. Indication of immediate medical attention and special treatment, if necessary**
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Section 5: FIRE FIGHTING MEASURES

- 5.1. Suitable/ unsuitable extinguishing media**
-

Use an extinguishing agent suitable for the surrounding fire.

5.2. Specific hazards arising from chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

5.3. Special protective equipment and precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non emergency personnel". Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.2. Methods and materials for containment and cleaning up

Small spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spills: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Inorganic acid: **ACGIH TLV (United States, 4/2014). Notes: Refers to Appendix A -- Carcinogens. Inhalable fraction. See Appendix C, paragraph A. Inhalable Particulate Mass TLVs (IPM-TLVs) for those materials that are hazardous when deposited anywhere in the respiratory tract. ACGIH 2005 Adoption**
STEL: 6 mg/m³ 15 minutes. Form: Inhalable fraction
TWA: 2 mg/m³ 8 hours. Form: Inhalable fraction

8.2. Appropriate engineering controls.

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.3. Individual protection measures

Eye/face protection Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

Skin/body protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection Use adequate ventilation. Use NIOSH approved respiratory equipment for dust if ventilation is inadequate.

General considerations Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid. Clear
Odor	Slight
Odor threshold	No applicable information is available
pH	No applicable information is available
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	1.03
Solubility(ies)	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 specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Reactive or incompatible with the following materials: oxidizing materials. Excessive heat

10.5. Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials. Excessive heat

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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.

11.2. Numerical measures of toxicity

Product/Ingredient name	Result	Species	Dose	Exposure
Inorganic acid	LD50 Oral	Mouse	3450 mg/kg	-
	LD50 Oral	Rat	2500 mg/kg	-
	LD50 Oral	Rat	2660 mg/kg	-
	LDLo Dermal	Child	1500 mg/kg	-
	LDLo Dermal	Infant	1200 mg/kg	-
	LDLo Dermal	Man	2430 mg/kg	-
	LDLo Oral	Human	214.28 mg/kg	-
	LDLo Oral	Rat	3000 mg/kg	-
	LDLo Oral	Woman	200 mg/kg	-

11.3. Carcinogenicity

No applicable toxicity data

Section 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Product/Ingredient name	Result	Species	Exposure
Inorganic acid	Acute LC50 45.5 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 133000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 75 mg/l Marine water	Fish - Pagrus major	96 hours
	Chronic NOEC 6000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 2100 µg/l Fresh water	Fish - Oncorhynchus mykiss	87 days

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

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with

BRITE-NICKEL CARRIER

the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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 products were found.

SARA Title III Section 311/312

No products were found.

SARA Title III Section 313

No products were found.

Massachusetts/Pennsylvania/New Jersey Right to Know Components

3-Nitrobenesulfonic acid sodium salt (127-68-4)

California Prop. 65 Components

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

Section 16: OTHER INFORMATION

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

Health: 1

Fire: 0

Reactivity: 0

Special: NA

Date Prepared 03/19/2021

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

BRITE-NICKEL CARRIER

caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet