





COPPER (II) NITRATE TRIHYDRATEAR/ACS

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| PRODUCT CODE | 496685 | |
| SYNONYMS | [Cupric nitrate tri hydrate AR] | |
| C.I. NO. | -- | |
| CASR NO. | (10031-43-3) | |
| ATOMIC OR MOLECULAR FORMULA | $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ | $\text{Cu}(\text{NO}_3)_2 \cdot 3\text{H}_2\text{O}$ |
| ATOMIC OR MOLECULAR WEIGHT | 241.60 | |
| PROPERTIES | Hygroscopic. | |
| PARAMETER | LIMIT | |
| Description | Hygroscopic blue crystals with an odour of nitric acid. | |
| Solubility | 10% solution in water is bright and clear. | |
| Minimum Assay (Iodometric) | 99.5% | |
| pH of (5% solution in water) | > 2.8 | |
| MAXIMUM LIMIT OF IMPURITIES | | |
| Insoluble matter | 0.01% | |
| Chloride (Cl) | 0.002% | |
| Sulphate (SO ₄) | 0.01% | |
| Calcium (Ca) | 0.01% | |
| Iron (Fe) | 0.005% | |
| Lead (Pb) | 0.001% | |
| Nickel (Ni) | 0.01% | |
| Note(s): Assay (if applicable) method mentioned. | | |
| DANGER Hazard statements: May intensify fire; oxidizer. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Very toxic to aquatic life Precautionary statements Prevention: Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Wear protective gloves/clothing. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat. Take any precautions to avoid mixing with combustibles or incompatible materials. Do not breathe dust or mist. Wear protective gloves/protective clothing/eye protection/face protection. Response: Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Absorb spillage to prevent material damage. Specific treatment: refer to Label or MSDS. Call a POISON CENTER or doctor/physician if you feel unwell. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Disposal: - Dispose of contents and container in accordance with relevant legislation. | | IMDG Code : 5.1 / II UN No. : 1477 IATA : 5.1 |
| Hazard Pictogram(s) : | | |
| <div>     </div> <div> GHS03 GHS05 GHS07 GHS09 </div> | | |

Replace Date-19-Sep-2025