



**TOKU-E COMPANY
MATERIAL SAFETY DATA SHEET**

EMERGENCY PHONE (USA only): +1-800-535-5053 INF.: +86-21-5206 9530

I. Substance identification

Nitrofurantoin

II. Composition/ information on ingredients

CAS No.: 67-20-9

FW: C₈H₆N₄O₅

III. Hazard identification

Label precautionary statements

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

In case of accident or if you feel unwell, seek medical advice immediately (show label when possible). Wear suitable protective clothing, gloves and eye/ face protection.

IV. First-aid measures

In case of contact, immediately flush eyes or skin with copious amounts of water at least 15 minutes while removing contaminated clothing and shoes. Assure adequate flushing of eyes by separating eyelids with fingers. If inhaled, remove to fresh air. If breathing is difficult, call a physician. If swallowed, wash out mouth with water (provided person is conscious). Call a physician immediately. Wash all contaminated clothing before reuse.

V. Fire extinguishing measures.

Suitable extinguishing agents CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

VI. Accidental release measures

Person-related safety precautions: Not required.

Measures for environmental protection: Wipe up with damp sponge or mop.

Measures for cleaning/ collecting: No special measures required.

Additional information: No dangerous substances are released.

VII. Handling and storage

Handling

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Storage Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: None.

VIII. Physical properties

Form: Solid.

Color: According to product specification

Odor: Characteristic

Melting point/ Melting range: Not determined

Boiling point/ Boiling range: Not determined

Flash point: Not applicable

Flammability (solid, gaseous) Product is not flammable.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined

Solubility in/ Miscibility with Water: Soluble

pH-value: Not applicable

Solids content: 100.0 %

IX. Stability and reactivity

Thermal decomposition/ conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition: No dangerous decomposition products known.

X. Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin: No irritating effect.

on the eye: No irritating effect.

Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The substance is not subject to classification. This product contains antibiotics. People with known or suspected allergies to antibiotics should use appropriate safety precautions when handling. People that are allergic to antibiotics may experience eye, skin, and respiratory irritation.



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XI. Ecological information:

Ecotoxicological effects:

Other information:

The ecological effects have not been thoroughly investigated, but currently none have been identified.

General notes: Generally not hazardous for water.

XII. Disposal considerations

Product:

Recommendation

Must adhere to state and federal regulations.

Smaller quantities can be disposed of with solid waste.

Disposal must be made according to the regulations found in 40 CFR 261.

This product is not considered a RCRA hazardous waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to state and federal regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

XIII. Transport information:

This product is considered to be non-hazardous for transport.

Non-hazardous for air transport.

XIV. Regulatory information

SARA Section 355 (extremely hazardous substances)

Substance is not listed.

SARA Section 313 (specific toxic chemical listings)

Substance is not listed.

TSCA (Toxic Substances Control Act)

Substance is not listed.

California Proposition 65 - Chemicals known to cause cancer

Substance is not listed.

California Proposition 65 - Chemicals known to cause reproductive toxicity

Substance is not listed.

Carcinogenicity categories

IARC (International Agency for Research on Cancer)

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

MAK (German Maximum Workplace Concentration)

Substance is not listed.

Product related hazard information:



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The substance is not subject to classification according to the sources of literature known to us. Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations pertaining to regulations on hazardous materials.

National regulations

Water hazard class: Generally not hazardous for water

X V . Other Information

The information and recommendations set forth herein are believed to be completed and faithful. However, it is the user's responsibility to determine the suitability for his/ her purpose prior to use. Toku-E Company assumes no additional liability and responsibility resulting from use and/ or reliance on this information.