TRIMETHOPRIM
SAFETY DATA SHEET

1. IDENTIFICATION
   Product Identifier
   Trimethoprim
   Product Number
   T011
   Distributor Name
   TOKU-E Company
   Distributor Address
   715 W Orchard Dr, Suite 3
   Bellingham, WA 98225
   Phone Number
   (360) 734-1789
   Emergency Phone Number (International)
   +1 (352) 323-3500
   Emergency Phone Number (US only)
   1 (800) 535-5053
   Safety Data Sheet Issued by
   TOKU-E USA
   CAS-Number
   [738-70-5]
   EC/REACH Number
   [212-006-2]
   Recommended Use
   Bactericidal dihydrofolate reductase inhibitor
   Restrictions on Use
   Not for human or animal use

2. HAZARD(S) IDENTIFICATION
   GHS Classification
   Acute Toxicity, Oral (Category 4)
   GHS Label Elements, Including
   Precautionary statements
   Signal Word: Warning
   Hazard Statements
   H302: Harmful if swallowed
   Precautionary Statements
   P270: Do not eat, drink, or smoke when using this product
   P301+P312: IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell
   P330: Rinse mouth
   P501: Dispose of contents/container to proper waste facility
   P312: Call a POISON CENTER or doctor/physician if you feel unwell
   Hazards not otherwise classified (HNOC) by GHS
   None

3. COMPOSITION/INFORMATION ON INGREDIENTS
   Synonym(s)
   BW 56-72, 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine, Monoprim, NIH
Formula: $\text{C}_{14}\text{H}_{18}\text{N}_4\text{O}_3$

Molecular Weight: 290.32 g/mol

CAS-Number: [738-70-5]

EC/REACH Number: [212-006-2]

Index-Number: Not available

Hazardous components: Trimethoprim

Acute Toxicity, Oral (Category 4)

4. **FIRST-AID MEASURES**

   **General Advice**
   Consult a physician. Show this Safety Data Sheet to the medical provider

   **If Inhaled**
   If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a doctor

   **In Case of Skin Contact**
   Wash thoroughly with plenty of soap and water

   **In Case of Eye Contact**
   Rinse thoroughly with plenty of water for at least 15 minutes, consult a doctor

   **If Swallowed**
   Never give anything by mouth to an unconscious person. Consult a doctor. Rinse mouth with water.

   Most important symptoms and effects, both acute and delayed
   Please see Section 2 and/or Section 11

   Indication of any immediate medical attention and special treatment needed
   No data available

5. **FIRE-FIGHTING MEASURES**

   **Suitable Extinguishing Media**
   Water spray, alcohol-resistant foam, dry chemical, carbon dioxide

   **Special Protective Equipment for Firefighters**
   Wear self-contained breathing apparatus

   **Hazardous Combustion Products**
   Formed under fire conditions: Carbon and Nitrogen oxides

6. **ACCIDENTAL RELEASE MEASURES**

   **General**
   Evacuate personnel to safe location

   **Personal Precautions**
   Wear respiratory protection. Avoid dust formation and breathing vapors/mist/dust/gas. Ensure adequate ventilation

   **Environmental Precautions**
   Prevent spillage, do not let product enter drains

   **Methods of Containment and Cleanup**
   Place in suitable, closed containers for licensed disposal. Avoid dust formation
7. **HANDLING AND STORAGE**

   **Precautions for Safe Handling**
   Avoid contact with skin and eyes. Provide exhaust ventilation in areas where dust if formed.

   **Precautions for Safe Storage**
   Keep container tightly closed and in a dry, well-ventilated place. Recommended storage temperature: 2-8°C. Moisture-sensitive

   **Incompatibilities**
   None known

8. **EXPOSURE CONTROLS/ PERSONAL PROTECTION**

   Contains no substances with occupational exposure limit values

   **PPE: Respiratory protection**
   Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

   **PPE: Hand Protection**
   Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands

   **PPE: Eye Protection**
   Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

   **PPE: Skin and Body Protection**
   Handle with gloves. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. When deemed needed according to the concentration and amount of this product, use a complete body suit

9. **PHYSICAL/CHEMICAL PROPERTIES**

   **Appearance**
   White or yellowish-white powder

   **pH**
   No data available

   **Melting Point/Freezing Point**
   199-203°C

   **Boiling Point**
   No data available

   **Flash Point**
   No data available
Ignition Temperature: No data available
Autoignition Temperature: No data available
Lower Explosion Limit: No data available
Upper Explosion Limit: No data available
Vapor Pressure: No data available
Density: No data available
Water Solubility: 0.4 mg/mL
Solubility in Other Solvents:
- Benzyl alcohol: Freely soluble
- Chloroform: 18.2 mg/mL
- DMAC: Freely soluble
- Methanol: 12.1 mg/mL
- Propylene glycol: 25.7 mg/mL

Partition Coefficient: n-octanol/water: No data available
Optical Rotation: No data available
Absorbance (290nm, 5% in H₂O): No data available
Loss on Drying: ≤0.5%

10. STABILITY AND REACTIVITY
Chemical Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: No data available
Conditions to Avoid: Moisture
Materials to Avoid: Strong oxidizing agents
Hazardous Decomposition Products: Carbon and Nitrogen oxides formed under fire conditions

11. TOXICOLOGICAL INFORMATION
Oral LD₅₀:
- Rat: >200 mg/kg
- Mouse: >2674mg/kg
Inhalation LC₅₀: No data available
Dermal LD₅₀: No data available
Intraperitoneal LD₅₀: Rat: >1460mg/kg
Intravenous LD₅₀: No data available
Skin Corrosion/Irritation: No data available
Serious Eye Damage/ Eye Irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity:
- Human lymphocyte: Micronucleus test, Other mutation test systems, DNA inhibition, Sister chromatid exchange
- Rat, sperm cell: Evidence of germ cell mutagenicity
Carcinogenicity:
- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified
as a carcinogen or potential carcinogen by ACGIH
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

Reproductive Toxicity
Rat, Oral:
Effects on Fertility: Post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants)
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g. stunted fetus)

Specific Target Organ Toxicity: Single Exposure (Globally Harmonized System)
Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)
Aspiration Hazard
Potential Health Effects
Signs and Symptoms of Exposure
Synergistic Effects
Additional Information
RTECS: UV8225000

12. ECOLOGICAL INFORMATION
Toxicity
Persistence and Degradability
Bioaccumulative Potential
Mobility in Soil
PBT and vPvB Assessment
Treat as if harmful if released into environment

13. DISPOSAL CONSIDERATIONS
Product
Contaminated Packaging
Dispose of product through a licensed disposal company
Dispose of as unused product

14. TRANSPORTATION INFORMATION
DOT (US)
IMDG
IATA
Not Dangerous Goods
Not Dangerous Goods
Not Dangerous Goods

15. REGULATORY INFORMATION
SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

SARA 311/312 Hazards
No SARA Hazards

Massachusetts Right to Know Components
No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components
Trimethoprim
CAS-Number [738-70-5]
Revision Date: 1989-12-01

New Jersey Right to Know Components
Trimethoprim
CAS-Number [738-70-5]
Revision Date: 1989-12-01

California Prop. 65 Components
This product does not contain any chemicals known to the State of California to cause birth defects, cancer, or any other reproductive harm

EU Information
SDS in accordance with REACH 1907/2006
EC Number [212-006-2]
CAS-Number [738-70-5]
Name: trimethoprim
Envisaged Registration Deadline: 30/11/2010
See GHS Information under Section 2, Hazard Identification

16. OTHER INFORMATION
Date of last revision: 2016-02-29

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TOKU-E Company shall not be held liable for any damage resulting from handling or from contact with the above product. Please see reverse side of invoice or packing slip for additional terms and conditions of sale.