

# AZITHROMYCIN IMPURITY E SAFETY DATA SHEET

#### 1. IDENTIFICATION

Product Identifier Azithromycin Impurity E

Product Number A074

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-No. [612069-27-9]

EC/ REACH Number Not available

Recommended Use Reference standard for Azithromycin impurity

tracing

Restrictions on Use Not for human or animal use

## 2. HAZARD(S) IDENTIFICATION

GHS Classification Not classified. Toxicology information unavailable.

None

To the best of our knowledge, the chemical, physical and toxicological properties of this material have not been thoroughly investigated. Azithromycin Impurity E is an impurity and may share properties with its source material. Please reference an Azithromycin SDS for potential hazards.

GHS Label Elements, Including

**Precautionary statements** 

Hazard Statements None
Precautionary Statements None
Hazards not otherwise classified (HNOC) None

by GHS

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym(s) Aminoazithromycin

Formula  $C_{36}H_{68}N_2O_{12}$  Molecular Weight 720.942 g/mol

CAS-No. [612069-27-9] EC-No. Not available Index-No. Not available

Hazardous components None

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. Please see Section 2 and/or Section 11

Wear self-contained breathing apparatus

Most important symptoms and effects,

both acute and delayed

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

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** 

Methods of Containment and Cleanup

Prevent spillage, do not let product enter drains 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: -20°C

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 Deep yellow powder

pH 8-9

Melting Point/Freezing Point 134.4-136°C **Boiling Point** No data available Flash Point No data available No data available **Ignition Temperature 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 No data available Solubility in Other Solvents No data available Partition Coefficient: n-octanol/water No data available No data available **Optical Rotation** Absorbance (290nm, 5% in H<sub>2</sub>O) No data available Water content (Karl Fisher) No data available

#### 10. STABILITY AND REACTIVITY

Stable under recommended storage conditions **Chemical Stability** 

Possibility of Hazardous Reactions No data available Conditions to Avoid No data available Materials to Avoid Strong oxidizing agents

**Hazardous Decomposition Products** Carbon and Nitrogen oxides formed under fire

conditions

#### 11. TOXICOLOGICAL INFORMATION

Oral LD50 No data available Inhalation LC<sub>50</sub> No data available No data available Dermal LD<sub>50</sub> No data available Intraperitoneal LD<sub>50</sub> Intravenous LD<sub>50</sub> No data available Skin Corrosion/Irritation No data available Serious Eve Damage/ Eve Irritation No data available Respiratory or Skin Sensitization No data available Germ Cell Mutagenicity No data available

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

No data available

Reproductive Toxicity Specific Target Organ Toxicity: Single No data available Exposure (Globally Harmonized System)

Specific Target Organ Toxicity: Repeated Exposure (Globally Harmonized System)

**Aspiration Hazard** 

Potential Health Effects

Signs and Symptoms of Exposure

No data available

No data available

See Section 2, Hazard(s) Identification

Effects due to ingestion may include dizziness, drowsiness, chest pain, nausea, diarrhea, nephritis, hyperglycemia, hyperkalemia, and

photosensitivity.

To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated

Synergistic Effects No data available Additional Information RTECS: Not available

#### 12. ECOLOGICAL INFORMATION

Toxicity

Persistence and Degradability

Bioaccumulative Potential

Mobility in Soil

PBT and vPvB Assessment

No data available

No data available

No data available

Treat as if harmful if released into environment

#### 13. DISPOSAL CONSIDERATIONS

Product Dispose of product through a licensed disposal

company

Contaminated Packaging 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 No components are subject to the Pennsylvania

Right to Know Act

New Jersey Right to Know Components No components are subject to the New Jersey

Right to Know Act

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

A registration number is not available for this substance or its uses are exempted from

registration, the annual tonnage does not require a registration, or the registration is envisaged for a

later registration deadline.

See GHS Information under Section 2, Hazard

Identification

Date of last revision: 2017-04-20

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.