

Safety Data Sheet

European Format

Tazobactum Sodium

Preparation Date 05-Feb-2007

Revision Date 26-Jan-2010***

Revision Number 3***

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name Tazobactum Sodium Common Name Tazobactum Sodium

Chemical Name (2S, 3S, 5R)-3-methyl-7-oxo-3-(1H-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo-[3.2.0]heptane-

2-carboxylate-4,4-dioxide

Synonyms Not available

Product Use Active pharmaceutical ingredient

Classification Anti-infective Agent

Supplier Wyeth

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Emergency Telephone Number Chemtrec USA, Puerto Rico, Canada 1-800-424-9300

Chemtrec International 1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

This contains an active pharmaceutical ingredient that can affect body functions; handle with caution.

Appearance Pharmaceutical powderPhysical StateSolidOdor Not available

Potential Physical Hazards Powders and solids are presumed to be combustible.

Potential Health Effects

Eyes May cause mechanical eye irritation.

Skin May cause skin irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion Not available

Other Hypersensitivity (anaphylactic/anaphylactoid) reactions (including shock) have been reported in

patients receiving therapy with penicillins. Individuals with a history of penicillin hypersensitivity or a history of sensitivity to multiple allergens should avoid contact. The most common effects may include pseudomembranous colitis, diarrhea, headache, constipation, nausea, insomnia,

rash, vomiting, dyspepsia, pruritus, stool changes, fever, agitation, pain, moniliasis,

hypertension, dizziness, abdominal pain, chest pain, edema, anxiety, rhinitis, and dyspnea.

Therapeutic Target Organ(s) None.

__ Not listed by OSHA, NTP or IARC.

Potential Environmental Effects See Section 12.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	EC No.	Composition	Classification
Tazobactam Sodium	89785-84-2	Not Applicable	100%	R 36/37/38, S 13/24/25/39

4. FIRST AID MEASURES

Eye Contact In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek

medical advice.

Skin Contact Wash off with soap and plenty of water

Inhalation Artificial respiration and/or oxygen may be necessary

Ingestion

Aggravated Medical Conditions

Notes to Physician

Immediate medical attention is required

Allergy to penicillins.
Serious anaphylactic/anaphylactoid reactions (including shock) require immediate emergency

treatment with epinephrine. Oxygen, intravenous steroids, and airway management, including

incubation, should also be administered as indicated.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable

Extinguishing Media

Suitable Extinguishing Media

Unsuitable Extinguishing

Media

Use water spray, foam, dry chemical or carbon dioxide.

Do NOT use water jet.

Fire Fighting Evacuate area and fight fire from a safe distance

Hazardous Combustion Products Carbon oxides, nitrogen oxides.

Protective Equipment and Precautions for Firefighters

In the event of fire, wear self-contained breathing apparatus and special protective equipment

for fire fighters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Safety glasses or goggles when splash potential exists

Environmental Precautions Local authorities should be advised if a significant spill cannot be contained

Methods for Containment Not available

Methods for Cleaning up

Take up mechanically and collect in suitable container for disposal

7. HANDLING AND STORAGE

Handling

Ground and bond all bulk transfer equipment. Avoid open handling. Minimize dust generation. Use local exhaust ventilation or perform work under fume hood/fume cupboard. Avoid inhalation and contact with skin, eye, and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash hands and any exposed skin after removal of PPE. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.***

Storage No special safety precautions required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEB Statement

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.***

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Pfizer Occupational Exposure Band (OEB):

OEB1 (control exposure to the range of >1000ug/m³ to < 3000ug/m³)***

Engineering Controls

Engineering controls should be used as the primary means to control exposures. Use process containment, local exhaust ventilation, or other engineering controls to maintain airborne levels within the OEB range. All operations should be fully enclosed. No air recirculation permitted.***

Personal Protective Equipment

Eye/face Protection Skin Protection

Wear safety glasses as minimum protection.***

Wear impervious gloves as minimum protection. Wear impervious protective clothing when

handling this compound.***

Respiratory Protection

If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of

the OEB range.***

General Hygiene Considerations

Consult a health and safety professional for specific PPE, respirator and risk assessment

guidance

Other Limit access to only personnel trained in the safe handling of this material

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pharmaceutical powder Physical State Solid

ColorWhite to off-whiteOdorNot available

Odor Threshold Not available

Molecular Formula $C_{10} H_{11} N_4 NaO_5 S$ Molecular Weight 322.3

pH Not applicable

pri Hot applicable

Specific GravityNot applicableWater Solubility17 mg/mlSolubilityNot applicableEvaporation RateNot applicablePartition Coefficient< -2.0</td>Vapor PressureNot applicable

(n-octanol/water)

Revision Date Not applicable

Not applicable Not applicable **Boiling Point Autoignition Temperature**

Flash Point Flammability Limits in Air Not applicable **Upper** Not applicable **Melting Point** Lower Not applicable 180°C

Upper Not applicable

Lower Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable at room temperature.

Conditions to Avoid No data available **Materials to Avoid** Oxidizing materials.

Hazardous Decomposition Products None under normal use.

Possibility of Hazardous Reactions None under normal use.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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LD50 Oral >5000 mg/kg mice **Acute Dermal Irritation** Not applicable **Primary Eye Irritation** Not applicable Sensitization Not applicable

Multiple Dose Toxicity

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No Toxicologic Effect Not available

Dose/Species/Study Length:

Maximum Tolerated Dose (MTD), Oral

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Long-term animal toxicity studies to evaluate the carcinogenic potential have not been Carcinogenicity

conducted.

Mutagenic potential was assessed in 5 in vitro and 1 in vivo assay; positive results occurred in **Genetic Toxicity**

one assay (forward mutation assay using mouse lymphoma cells). However, the results were negative when the combination of Pipracillin Sodium and Tazobactum Sodium was assessed

in a similar battery of tests.

Reproductive Toxicity Studies in mice and rats have shown no evidence of impaired fertility.

Developmental Toxicity Animal reproduction studies have not been conducted.

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Target Organ(s) of Toxicity No data available

12. ECOLOGICAL INFORMATION

Chemical Fate Information

Tazobactam Sodium

Mobility Not available

Biodegradability Not readily biodegradable.

Stability in Water Stable at pH 7 and below. At pH 9, half life = 29h.

Bioaccumulation Not available

Ecotoxicity

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Minimum inhibitory concentration (MIC) > 1000 mg/l for 3 test species. Pseudomonas MIC =

250 mg/l.

Algae Not available

Daphnia LC50/48h/daphnia > 8.5 mg/l, NOEC = 8.5 mg/l

Fish Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of waste in accordance with all applicable laws and regulations. Member State

specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental

releases. This may include destructive techniques for waste and wastewater. ***

14. TRANSPORT INFORMATION

Transport Information This material is not regulated for transportation as a hazardous material/dangerous goods.***

15. REGULATORY INFORMATION

According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

16. OTHER INFORMATION

Prepared By Wyeth Department of Environment, Health & Safety

Format This MSDS was prepared in accordance with Directive 2001/58/EC.

List of References Zosyn MSDS, OEG Rationale June 2000.

Revision Summary Changes to Section 8, 14******

Disclaimer:

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End of MSDS