

Safety Data Sheet

European Format

Preparation Date 09-Jul-2007

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Revision Number 5

Tygacil 150

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

Product Name		
Common Name		
Chemical Name		
Synonyms		
Product Use		
Classification		

Jassifica

Supplier

Tygacil (Tigecycline) for injection Not applicable Not available Pharmaceutical product Anti-infective Agent Wyeth

Tygacil 150

P.O. Box 8299 Philadelphia, PA 19101 USA. Telephone: 1-610-688-4400

Emergency Telephone Number

Chemtrec USA, Puerto Rico, Canada 1-800-424-9300 Chemtrec International 1-703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS-No	EC No.	Composition	Classification
Inactive Ingredients	Not applicable	Not applicable	Remainder	Not applicable
Tigecycline	220620-09-7	None assigned	150 mg/vial	Xi, N, R36/52/61/64, S13/36/37/38/61
Lactose Monohydrate	64044-51-5	None Assigned	300 mg/vial	Not Applicable
Hydrochloric Acid	7647-01-0	231-595-7	As needed to adjust pH	C, R34/37, S26/36/45
Sodium Hydroxide	1310-73-2	215-185-5	As needed to adjust	C; R35; S26, 37/39, 45

3. HAZARDS IDENTIFICATION

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

Appearance Pharmaceutical powder

Physical State Solid

Odor Not available

Potential Physical Hazards

Powders and solids are presumed to be combustible.

Potential Health Effects

Eyes Skin Inhalation Ingestion May cause mechanical eye irritation Not available Not available Not available

Other	The most common effects may include anaphylaxis photosensitivity pseudotumor cerebri pancreatitis anti-anabolic action superinfection nausea vomiting diarrhea fever abdominal pain blood effects headache hypertension cough increase pain abnormal healing dizziness swelling abscess labored breathing constipation pruritus asthenia/weakness rash hypotension insomnia sweating phlebitis and back pain
	May cause harm to the unborn child. May cause harm to breastfed babies.
	Please see Patient Package Insert for further information.
Therapeutic Target Organ(s)	Systemic
_	Not listed by OSHA, NTP or IARC.
Potential Environmental Effects	See Section 12
	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 immediately with soap and plenty of water
Inhalation	Artificial respiration and/or oxygen may be necessary
Ingestion	Immediate medical attention is required
	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 andIn the event of fire, wear self-contained breathing apparatus and special protective equipmentPrecautions for Firefightersfor 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	Handle in accordance with good industrial hygiene and safety practice	
Storage	No special safety precautions required	
8. EX	POSURE CONTROLS / PERSONAL PROTECTION	
Common Name Tigecycline	Exposure Guideline 70 mcg/m ³	
Engineering Controls	Apply technical measures to comply with the occupational exposure guideline Local exhaust ventilation is needed for open handling or where aerosols may be generated.	
Personal Protective Equipment		
Eye/face Protection Skin Protection Respiratory Protection	Provide eye protection based on risk assessment. Wear nitrile or latex gloves. Wear protective garment. Base respirator selection on a risk assessment.	
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 Consult a health and safety professional for specific PPE, respirator, and risk assessment guidance	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Color Odor Threshold	Pharmaceutical powder Orange Not available	Physical State Odor	Solid Not available
рН	4.8		
Specific Gravity Solubility Partition Coefficient (n-octanol/water) Vapor Pressure	Not applicable Not applicable Not available Not applicable	Water Solubility Evaporation Rate Vapor Density	Not available Not applicable Not applicable
Boiling Point Flash Point Melting Point Flammability Limits in Air Explosion Limits	Not applicable Not applicable Not available Upper Not applicable Upper Not applicable	Autoignition Temperature Method Lower Not applicable Lower Not applicable	Not applicable None

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at room temperature.
Conditions to Avoid	No data available
Materials to Avoid	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use
Possibility of Hazardous Reactions	None under normal use

11. TOXICOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Acute Toxicity

Tigecycline	
LD50 Oral	160 mg/kg rats IV
	124 mg/kg male mice
	98 mg/kg female mice
Acute Dermal Irritation	Not applicable
Primary Eye Irritation	Not applicable
Sensitization	Not applicable

Multiple Dose Toxicity

Tigecycline

No Toxicologic Effect	Effects on body weight, food consumption, blood, serum chemistry, bone discoloration (rats
Dose/Species/Study Length:	only), bone marrow, spleen, gastrointestinal tract (dogs only), and kidney were seen in
	subacute toxicity studies in rats and dogs.

Maximum Tolerated Dose (MTD), Oral

Tigecycline	
Carcinogenicity	No studies to assess the carcinogenic potential have been performed.
Genetic Toxicity	No evidence of mutagenicity was observed in a battery of in vitro and in vivo assays.
Reproductive Toxicity	See Developmental Toxicity.
Developmental Toxicity	Animal studies indicate no teratogenicity in rats and rabbits. There was a slight reduction in fetal weights and an increased incidence of musculoskeletal anomalies.

Tigecycline

Target Organ(s) of Toxicity No data available

12. ECOLOGICAL INFORMATION

The following effects are based on the Active Pharmaceutical Ingredient.

Chemical Fate Information

Tigecycline Mobility

Not available

Biodegradability Stability in Water Bioaccumulation	Inherent biodegradability = 36 % after 46 days. Hydrolytically unstable at pH 2-11. Bioaccumulation is unlikely.		
Ecotoxicity			
Tigecycline			
Microorganisms	EC50/3h/bacteria = 140 mg/l		
Algae	Not available		
Daphnia	EC50/48h/daphnia = 2.0 mg/l NOEC = 0.39 mg/l		
Fish	Not available		
	13. DISPOSAL CONSIDERATIONS		
Waste Disposal Method	Dispose of in accordance with local and national regulations.		

14. TRANSPORT INFORMATION

Transport Information

This material is not classified as hazardous for transport.

15. REGULATORY INFORMATION

In accordance with local and national regulations:

Contains	Tygacil
Symbol(s)	Xi - Irritant. N - Dangerous for the environment

R -phrase(s)

- R36 Irritating to eyes
- R52 Harmful to aquatic organisms
- R61 May cause harm to the unborn child
- R64 May cause harm to breastfed babies

S -phrase(s)

- S13 Keep away from food, drink and animal feedingstuffs
- S25 Avoid contact with eyes
- S36 Wear suitable protective clothing
- S37 Wear suitable gloves
- S38 In case of insufficient ventilation, wear suitable respiratory equipment
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets

16. OTHER INFORMATION

Prepared By Format List of References Revision Summary Wyeth Department of Environment, Health & Safety This MSDS was prepared in accordance with Directive 2001/58/EC. See Patient Package Insert for more information. Change to OEG Changes to Section 2,15

Disclaimer:

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End of MSDS