



SAFETY DATA SHEET

Revision date: 03-Apr-2015

Version: 7.0

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

Product Identifier

Material Name: Tygacil

Trade Name: TYGACIL; TYZEL
Compound Number: WAY-156936; GAR-936
Synonyms: Tigecycline For Injection for intravenous use
Chemical Family: Tetracycline derivative

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Pharmaceutical product used as Antibiotic agent

Details of the Supplier of the Safety Data Sheet

Pfizer Inc
Pfizer Pharmaceuticals Group
235 East 42nd Street
New York, New York 10017
1-800-879-3477

Pfizer Ltd
Ramsgate Road
Sandwich, Kent
CT13 9NJ
United Kingdom
+00 44 (0)1304 616161

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: pfizer-MSDS@pfizer.com

Emergency telephone number:
International CHEMTREC (24 hours): +1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS - Classification

Serious Eye Damage/Eye Irritation: Category 1
Skin Sensitization: Category 1
Reproductive Toxicity: Category 1A
Acute aquatic toxicity: Category 1
Chronic aquatic toxicity: Category 2

US OSHA Specific - Classification

Physical Hazard: Combustible Dust

EU Classification:

EU Indication of danger: Irritant
Toxic to reproduction: Category 1
Dangerous for the Environment

EU Risk Phrases:

R41 - Risk of serious damage to eyes.
R61 - May cause harm to the unborn child.
R43 - May cause sensitization by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label Elements

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2. HAZARDS IDENTIFICATION

Signal Word: Danger
Hazard Statements: H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H360D - May damage the unborn child
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
May form combustible dust concentrations in air

Precautionary Statements: P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P363 - Wash contaminated clothing before reuse
P272 - Contaminated work clothing should not be allowed out of the workplace
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTRE or doctor/physician
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P273 - Avoid release to the environment
P391 - Collect spillage
P405 - Store locked up
P501 - Dispose of contents/container in accordance with all local and national regulations



Other Hazards

Australian Hazard Classification (NOHSC):

Hazardous Substance. Dangerous Goods.

Note: This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous

| Ingredient | CAS Number | EU EINECS/ELINCS List | EU Classification | GHS Classification | % |
|-------------------|------------|-----------------------|-------------------|---|----|
| HYDROCHLORIC ACID | 7647-01-0 | 231-595-7 | T; R23 C; R35 | Skin Corr.1B (H314) STOT SE 3 (H335) | ** |
| SODIUM HYDROXIDE | 1310-73-2 | 215-185-5 | C; R35 | Skin Corr. 1A (H314) | ** |

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3. COMPOSITION / INFORMATION ON INGREDIENTS

| | | | | | |
|-------------|-------------|------------|-----------------------------------|--|-------|
| Tigecycline | 220620-09-7 | Not Listed | Repr.Cat.1;R61 ,R41-43 ;R50/53 | Repr. 1A(H360D) Sens.1(H317) Eye Dam.1(H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) | 30-35 |
|-------------|-------------|------------|-----------------------------------|--|-------|

| Ingredient | CAS Number | EU EINECS/ELINCS List | EU Classification | GHS Classification | % |
|-------------------------|------------|-----------------------|-------------------|--------------------|---|
| Lactose NF, monohydrate | 64044-51-5 | Not Listed | Not Listed | Not Listed | * |

Additional Information:

** to adjust pH
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.
In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of First Aid Measures

- Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
- Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
- Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
- Inhalation:** Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

- Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.
- Medical Conditions Aggravated by Exposure:** None known

Indication of the Immediate Medical Attention and Special Treatment Needed

- Notes to Physician:** None

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Special Hazards Arising from the Substance or Mixture

- Hazardous Combustion Products:** Emits toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides.
- Fire / Explosion Hazards:** Fine particles (such as dust and mists) may fuel fires/explosions.

Advice for Fire-Fighters

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During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Minimize dust generation. Avoid breathing dust. Avoid contact with eyes, skin 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. Refer to Section 12 - Ecological Information, for information on potential effects on the environment.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store as directed by product packaging.

Specific end use(s): Pharmaceutical drug product

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

HYDROCHLORIC ACID

| | |
|---------------------------------------|-----------------------|
| ACGIH Ceiling Threshold Limit: | 2 ppm |
| Australia PEAK | 5 ppm |
| | 7.5 mg/m ³ |
| Austria OEL - MAKs | 5 ppm |
| | 8 mg/m ³ |
| Belgium OEL - TWA | 5 ppm |
| | 8 mg/m ³ |
| Bulgaria OEL - TWA | 5 ppm |
| | 8.0 mg/m ³ |
| Cyprus OEL - TWA | 5 ppm |
| | 8 mg/m ³ |
| Czech Republic OEL - TWA | 8 mg/m ³ |
| Estonia OEL - TWA | 5 ppm |
| | 8 mg/m ³ |
| Germany - TRGS 900 - TWAs | 2 ppm |
| | 3 mg/m ³ |
| Germany (DFG) - MAK | 2 ppm |
| | 3.0 mg/m ³ |

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|-------------------------|--------------------------------|
| Greece OEL - TWA | 5 ppm 7 mg/m ³ |
| Hungary OEL - TWA | 8 mg/m ³ |
| Ireland OEL - TWAs | 5 ppm 8 mg/m ³ |
| Italy OEL - TWA | 5 ppm 8 mg/m ³ |
| Japan - OELs - Ceilings | 5 ppm 7.5 mg/m ³ |
| Latvia OEL - TWA | 5 ppm 8 mg/m ³ |
| Lithuania OEL - TWA | 5 ppm 8 mg/m ³ |
| Luxembourg OEL - TWA | 5 ppm 8 mg/m ³ |
| Malta OEL - TWA | 5 ppm 8 mg/m ³ |
| Netherlands OEL - TWA | 8 mg/m ³ |
| Poland OEL - TWA | 5 mg/m ³ |
| Portugal OEL - TWA | 5 ppm 8 mg/m ³ |
| Romania OEL - TWA | 5 ppm 8 mg/m ³ |
| Slovakia OEL - TWA | 5 ppm 8.0 mg/m ³ |
| Slovenia OEL - TWA | 5 ppm 8 mg/m ³ |
| Spain OEL - TWA | 5 ppm 7.6 mg/m ³ |
| Switzerland OEL -TWAs | 2 ppm 3.0 mg/m ³ |
| Vietnam OEL - TWAs | 5 mg/m ³ |

SODIUM HYDROXIDE

| | |
|--------------------------------|-----------------------|
| ACGIH Ceiling Threshold Limit: | 2 mg/m ³ |
| Australia PEAK | 2 mg/m ³ |
| Austria OEL - MAKs | 2 mg/m ³ |
| Bulgaria OEL - TWA | 2.0 mg/m ³ |
| Czech Republic OEL - TWA | 1 mg/m ³ |
| Estonia OEL - TWA | 1 mg/m ³ |
| France OEL - TWA | 2 mg/m ³ |
| Greece OEL - TWA | 2 mg/m ³ |
| Hungary OEL - TWA | 2 mg/m ³ |
| Japan - OELs - Ceilings | 2 mg/m ³ |
| Latvia OEL - TWA | 0.5 mg/m ³ |
| OSHA - Final PELs - TWAs: | 2 mg/m ³ |
| Poland OEL - TWA | 0.5 mg/m ³ |
| Slovakia OEL - TWA | 2 mg/m ³ |
| Slovenia OEL - TWA | 2 mg/m ³ |
| Sweden OEL - TWAs | 1 mg/m ³ |
| Switzerland OEL -TWAs | 2 mg/m ³ |

Tigecycline

| | |
|----------------------|--|
| Pfizer OEL TWA-8 Hr: | 100µg/m ³ , Sensitizer, Severe Eye Irritant |
|----------------------|--|

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---------------------------------------|--|
| Analytical Method: | Analytical method available. Contact Pfizer Inc for further information. |
| Exposure Controls | |
| 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. |
| Personal Protective Equipment: | Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE). |
| Hands: | Wear impervious gloves to prevent skin contact. |
| Eyes: | Wear safety goggles as minimum protection. |
| Skin: | Wear impervious protective clothing to prevent skin contact - consider use of disposable clothing where appropriate. |
| Respiratory protection: | If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|--------------------|--------------------------|--------------------|
| Physical State: | Powder | Color: | Orange |
| Odor: | No data available. | Odor Threshold: | No data available. |
| Molecular Formula: | Mixture | Molecular Weight: | Mixture |
| Solvent Solubility: | No data available | | |
| Water Solubility: | No data available | | |
| pH: | No data available. | | |
| Melting/Freezing Point (°C): | No data available | | |
| Boiling Point (°C): | No data available. | | |
| Partition Coefficient: (Method, pH, Endpoint, Value) | | | |
| HYDROCHLORIC ACID | | | |
| No data available | | | |
| SODIUM HYDROXIDE | | | |
| No data available | | | |
| Tigecycline | | | |
| No data available Log P -0.09 | | | |
| Lactose NF, monohydrate | | | |
| No data available | | | |
| Decomposition Temperature (°C): | No data available. | | |
| Evaporation Rate (Gram/s): | No data available | | |
| Vapor Pressure (kPa): | No data available | | |
| Vapor Density (g/ml): | No data available | | |
| Relative Density: | No data available | | |
| Viscosity: | No data available | | |
| Flammability: | | | |
| Autoignition Temperature (Solid) (°C): | | No data available | |
| Flammability (Solids): | | No data available | |
| Flash Point (Liquid) (°C): | | No data available | |
| Upper Explosive Limits (Liquid) (% by Vol.): | | No data available | |
| Lower Explosive Limits (Liquid) (% by Vol.): | | No data available | |

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10. STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Reactivity: | No data available |
| Chemical Stability: | Stable under normal conditions of use. |
| Possibility of Hazardous Reactions | |
| Oxidizing Properties: | No data available |
| Conditions to Avoid: | Fine particles (such as dust and mists) may fuel fires/explosions. |
| Incompatible Materials: | As a precautionary measure, keep away from strong oxidizers |
| Hazardous Decomposition Products: | No data available |

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

| | |
|-------------------------|--|
| General Information: | The information included in this section describes the potential hazards of the individual ingredients. |
| Long Term: | Repeat-dose studies in animals have shown a potential to cause adverse effects on the developing fetus. High doses of tetracyclines can cause a liver condition known as fatty liver. Individuals who suffer from high cholesterol, high triglycerides, or have alcoholic liver disease may be more susceptible. May produce kidney toxicity if kidney damage already exists (based on animal data). |
| Known Clinical Effects: | May cause effects similar to those seen in clinical use including transient diarrhea, nausea and abdominal pain. Symptoms of chronic exposure to tetracyclines include redness and swelling of the skin, rash, chills, tooth discoloration, yellowing of the skin and eyes, nausea, vomiting, diarrhea, stomach pain, and chest pain. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Wheezing, asthma, low or high blood pressure, dizziness, lung congestion, blood changes (leukocytosis, atypical lymphocytes, toxic granulation of granulocytes and thrombocytopenia purpura), convulsion or shock may also occur. Clinical use of this drug has caused inflammation of the pancreas (pancreatitis), liver effects, increased mortality. Photosensitivity has been reported in some individuals taking tetracyclines. |

Acute Toxicity: (Species, Route, End Point, Dose)

HYDROCHLORIC ACID

Rat Oral LD 50 238-277 mg/kg

Tigecycline

Mouse (M) IV LD50 124 mg/kg

Mouse (F) IV LD50 98mg/kg

Rat IV LD50 106mg/kg

Irritation / Sensitization: (Study Type, Species, Severity)

Tigecycline

Antigenicity- Passive cutaneous anaphylaxis Rat Negative
Antigenicity- Passive cutaneous anaphylaxis Mouse Negative
Skin Corrosivity (*In vitro*, RHE) Negative
Eye Irritation (*In vitro*, BCOP) Negative
Eye Irritation Rabbit Severe
Skin Sensitization - LLNA Mouse Positive

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Tigecycline

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11. TOXICOLOGICAL INFORMATION

| | | | | | |
|------------|-----|--------------------|---------------|-------|----------------------------|
| 13 Week(s) | Dog | No route specified | 1.5 mg/kg/day | NOAEL | Lymphoid tissue |
| 26 Week(s) | Rat | Intravenous | 6 mg/kg/day | NOAEL | No effects at maximum dose |
| 13 Week(s) | Rat | No route specified | 2 mg/kg/day | NOAEL | Lymphoid tissue |

Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Tigecycline

| | | | | | |
|-----------------------------|--------|--------------------|--------------|-------|---------------------------------|
| Embryo / Fetal Development | Rabbit | Intravenous | 4 mg/kg/day | NOAEL | No effects at maximum dose |
| Embryo / Fetal Development | Rat | No route specified | 4 mg/kg/day | NOAEL | Maternal Toxicity, Fetotoxicity |
| Embryo / Fetal Development | Rabbit | No route specified | 4 mg/kg/day | NOAEL | No effects at maximum dose |
| Peri-/Postnatal Development | Rat | Intravenous | 12 mg/kg/day | NOAEL | No effects at maximum dose |

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

Tigecycline

| | | |
|--|-----------------------------------|----------|
| <i>In Vitro</i> Chromosome Aberration | Chinese Hamster Ovary (CHO) cells | Negative |
| <i>In Vivo</i> Micronucleus | Mouse | Negative |
| <i>In Vitro</i> Forward Mutation Assay | Mouse Lymphoma | Negative |

Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

HYDROCHLORIC ACID

IARC:

Group 3 (Not Classifiable)

12. ECOLOGICAL INFORMATION

Environmental Overview: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Tigecycline

| | | | | |
|---|------|------|----------|-----------|
| <i>Daphnia magna</i> (Water Flea) | OECD | EC50 | 48 Hours | 2 mg/L |
| <i>Pimephales promelas</i> (Fathead Minnow) | OECD | LC50 | 72 Hours | 0.26 mg/L |
| <i>Daphnia Magna</i> (Water Flea) | OECD | NOEC | 21 Days | 2.1 mg/L |
| Algal Growth Inhibition | OECD | EC50 | 72 Hours | 1.65 mg/L |
| <i>Pimephales promelas</i> (Fathead Minnow) | OECD | NOEC | 32 Days | 22 ug/L |
| Midge | OECD | NOEC | 28 Days | > 94 mg/L |

Aquatic Toxicity Comments:

A greater than (>) symbol indicates that acute ecotoxicity was not observed at the maximum solubility. Since the substance is insoluble in aqueous solutions above this concentration, an acute ecotoxicity value (i.e. LC/EC50) is not achievable.

Bacterial Inhibition: (Inoculum, Method, End Point, Result)

Tigecycline

| | | | | |
|------------------|------|------|----------|----------------------------|
| Activated sludge | OECD | EC50 | 140 mg/L | (hydrolyzed tygacycline) |
| Activated sludge | OECD | EC50 | 58 mg/L | (unhydrolyzed tygacycline) |

Persistence and Degradability: No data available

Bio-accumulative Potential: No data available

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Partition Coefficient: (Method, pH, Endpoint, Value)

Tigecycline Log P -0.09

Mobility in Soil:

Sorption: (Method, Inoculum, Sorption Endpoint, Endpoint, Results)

Tigecycline

OECD Activated sludge Adsorption KOC 7610

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

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

The following refers to all modes of transportation unless specified below.

This material is regulated for transportation as a hazardous material/dangerous good.

| | |
|-----------------------------|---|
| UN number: | UN 3077 |
| UN proper shipping name: | Environmentally Hazardous Substance, Solid, n.o.s (Tigecycline) |
| Transport hazard class(es): | 9 |
| Packing group: | III |
| Environmental Hazard(s): | Marine Pollutant |

5 kg/5L Exception:

Effective January 1, 2015, UN3082 and UN3077 materials contained in good quality packaging in the quantities listed below are not regulated as dangerous goods for transport by any mode:

* Single packagings containing a net quantity of 5 liters or less for liquids or a net mass of 5 kg or less for solids.

* Combination packagings containing a net quantity per inner packaging of 5 liters or less for liquids or a net mass of 5 kg or less for solids.

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Canada - WHMIS: Classifications

WHMIS hazard class:

Class D, Division 2, Subdivision A

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15. REGULATORY INFORMATION



HYDROCHLORIC ACID

| | |
|--|--------------------------|
| CERCLA/SARA 313 Emission reporting | 1.0 % |
| CERCLA/SARA Hazardous Substances and their Reportable Quantities: | 5000 lb 2270 kg |
| CERCLA/SARA - Section 302 Extremely Hazardous TPQs | 500 lb |
| CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs | 5000 lb |
| California Proposition 65 | Not Listed |
| Inventory - United States TSCA - Sect. 8(b) | Present |
| Australia (AICS): | Present |
| Standard for the Uniform Scheduling for Drugs and Poisons: | Schedule 5 Schedule 6 |
| EU EINECS/ELINCS List | 231-595-7 |

Lactose NF, monohydrate

| | |
|---|------------|
| CERCLA/SARA 313 Emission reporting | Not Listed |
| California Proposition 65 | Not Listed |
| Australia (AICS): | Present |
| REACH - Annex IV - Exemptions from the obligations of Register: | Present |
| EU EINECS/ELINCS List | Not Listed |

SODIUM HYDROXIDE

| | |
|---|--------------------------|
| CERCLA/SARA 313 Emission reporting | Not Listed |
| CERCLA/SARA Hazardous Substances and their Reportable Quantities: | 1000 lb 454 kg |
| California Proposition 65 | Not Listed |
| Inventory - United States TSCA - Sect. 8(b) | Present |
| Australia (AICS): | Present |
| Standard for the Uniform Scheduling for Drugs and Poisons: | Schedule 5 Schedule 6 |
| EU EINECS/ELINCS List | 215-185-5 |

Tigecycline

| | |
|--|------------|
| CERCLA/SARA 313 Emission reporting | Not Listed |
| California Proposition 65 | Not Listed |
| Standard for the Uniform Scheduling for Drugs and Poisons: | Schedule 4 |
| EU EINECS/ELINCS List | Not Listed |

16. OTHER INFORMATION

Text of R phrases and GHS Classification abbreviations mentioned in Section 3

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Sensitization, skin-Cat.1; H317 - May cause an allergic skin reaction
Serious eye damage/eye irritation-Cat.1; H318 - Causes serious eye damage
Reproductive toxicity-Cat.1A; H360D - May damage the unborn child
Hazardous to the aquatic environment, acute toxicity-Cat.1; H400 - Very toxic to aquatic life
Hazardous to the aquatic environment, chronic toxicity-Cat.2; H411 - Toxic to aquatic life with long lasting effects

Xi - Irritant
Toxic to reproduction: Category 1
N - Dangerous for the environment

R41 - Risk of serious damage to eyes.
R43 - May cause sensitization by skin contact.
R61 - May cause harm to the unborn child.
R35 - Causes severe burns.
R23 - Toxic by inhalation.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Data Sources: Pfizer proprietary drug development information. Publicly available toxicity information.

Reasons for Revision: Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 14 - Transport Information. Updated Section 15 - Regulatory Information. Updated Section 7 - Handling and Storage. Updated Section 16 - Other Information.

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Prepared by: Product Stewardship Hazard Communication
Pfizer Global Environment, Health, and Safety Operations

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet