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

Pfizer Inc **Pfizer Pharmaceuticals Group** 235 East 42nd Street New York, New York 10017 1-212-573-2222

Emergency telephone number: CHEMTREC (24 hours): 1-800-424-9300 Contact E-Mail: pfizer-MSDS@pfizer.com Pfizer Ltd **Ramsgate Road** Sandwich, Kent **CT13 9NJ** United Kingdom +00 44 (0)1304 616161 Emergency telephone number: International CHEMTREC (24 hours): +1-703-527-3887

Material Name: Linezolid Injection

Trade Name:	ZYVOX, ZYVOXID, ZYVOXAM
Chemical Family:	Mixture
Intended Use:	Pharmaceutical product used as antibiotic agent

2. HAZARDS IDENTIFICATION

Appearance:	Clear, colorless solution
Statement of Hazard:	Non-hazardous in accordance with international standards for workplace safety.
Additional Hazard Information: Long Term:	Repeat-dose studies in animals have shown a potential to cause adverse effects on reproductive system the developing fetus.
Known Clinical Effects: EU Indication of danger:	The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting. Effects on blood and blood-forming organs have also occurred. Not classified
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Australian Hazard Classification (NOHSC):	Non-Hazardous Substance. Non-Dangerous Goods.
Note:	This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the active substance or its intermediates regardless of the potential risk. The precautionary statements and warnings 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	%

3. COMPOSITION/INFORMATION ON INGREDIENTS				
Linezolid	165800-03-3	Not Listed	Xn;R48/22	0.2
Citric acid	77-92-9	201-069-1	Xi; R36	*

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Sodium citrate, anhydrous	68-04-2	200-675-3	Not Listed	*
Dextrose	14431-43-7	Not Listed	Not Listed	*
Sodium chloride	7647-14-5	231-598-3	Not Listed	*

Additional Information:

* Proprietary Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases mentioned in this Section, see Section 16

4. 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.
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.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use carbon dioxide, dry chemical, or water spray.
Hazardous Combustion Products:	Formation of toxic gases is possible during heating or fire.
Fire Fighting Procedures:	During all fire fighting activities, wear appropriate protective equipment, including self- contained breathing apparatus.
Fire / Explosion Hazards:	Fine particles (such as dust and mists) may fuel fires/explosions.

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions:	Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.
Measures for Cleaning / Collecting:	Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.
Measures for Environmental Protections:	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

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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	
General Handling:	Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. 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 Conditions:	Store as directed by product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Linezolid Pfizer OEL TWA-8 Hr:	750µg/m³
Sodium chloride Latvia OEL - TWA Lithuania OEL - TWA	5 mg/m ³ 5 mg/m ³
Engineering Controls:	Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.
Environmental Exposure Controls:	Refer to specific Member State legislation for requirements under Community environmental legislation.
Personal Protective Equipment:	Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).
Hands:	Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.
Eyes:	Wear safety glasses or goggles if eye contact is possible.
Skin:	Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
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:	Liquid	Color:	Clear, colorless
Molecular Formula:	Mixture	Molecular Weight:	Mixture

10. STABILITY AND REACTIVITY

Chemical Stability:StableConditions to Avoid:Fine p

Stable under normal conditions of use. Fine particles (such as dust and mists) may fuel fires/explosions.

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Incompatible Materials:	As a precautionary measure, keep away from strong oxidizers
11. TOXICOLOGICAL INFOR	MATION
General Information:	The information included in this section describes the potential hazards of the individual ingredients.
Acute Toxicity: (Species, Route, Er	nd Point, Dose)
Citric acid Rat Oral LD50 3000 mg/kg	
Sodium chloride Rat Oral LD50 3000 mg/kg Mouse Oral LD50 4000 mg.	/kg
Linezolid Rat (F) Oral Minimum Lethal Do Rat (M) Oral Minimum Lethal Do Dog Oral Minimum Lethal Dose Acute Toxicity Comments:	ose > 5000 mg/kg
Irritation / Sensitization: (Study Typ	be, Species, Severity)
Citric acid Eye Irritation Rabbit Severe Skin Irritation Rabbit Mild	
Sodium chloride Eye Irritation Rabbit Moderate Skin Irritation Rabbit Mild	
Linezolid Eye Irritation Rabbit Minimal Skin Irritation Rabbit Minimal Antigenicity- Passive cutaneous anap Antigenicity- Active anaphylaxis Gu	hylaxis Mouse Negative iinea Pig Negative
Repeated Dose Toxicity: (Duration,	, Species, Route, Dose, End Point, Target Organ)
3 Month(s) Rat Oral 10 mg 1 Month(s) Dog Oral 20 m	g/kg/day NOAEL Blood forming organs, Blood g/kg/day NOAEL Blood forming organs, Blood Ig/kg/day NOAEL Blood forming organs, Blood, Gastrointestinal system Ig/kg/day NOAEL Blood forming organs, Blood, Gastrointestinal system
Reproduction & Developmental To:	xicity: (Study Type, Species, Route, Dose, End Point, Effect(s))
Linezolid Reproductive & Fertility Rat Ora Embryo / Fetal Development Rat Embryo / Fetal Development Rat	

11. TOXICOLOGICAL INFORMATION

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

Linezolid

In Vitro Unscheduled DNA Synthesis Negative Bacterial Mutagenicity (Ames) Salmonella Negative In Vitro Chromosome Aberration Human Lymphocytes Negative In Vivo Micronucleus Mouse Negative

Carcinogen Status:

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

 12. ECOLOGICAL INFORMATION

 Environmental Overview:
 Environmental properties have not been investigated. Releases to the environment should be avoided.

 Amountal Environmental Description Description
 Environmental properties have not been investigated. Releases to the environment should be avoided.

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

Linezolid

Daphnia magna (Water Flea)OECDEC5048 Hours> 100 mg/LOncorhynchus mykiss (Rainbow Trout)OECDLC5096 Hours> 1.4 mg/LAnabaena flos-aquae(Cyanobacteria)AlgaeOECDEC-5072 Hours1.5 mg/L

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

Linezolid Activated sludge OECD EC50 > 1000 mg/L

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.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

EU Indication of danger: Not classified

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15. REGULATORY INFORMATION

OSHA Label:

Non-hazardous in accordance with international standards for workplace safety.

Canada - WHMIS: Classifications

WHMIS hazard class:

None required This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Linezolid

Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 4
Citric acid	
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS): EU EINECS/ELINCS List	Present 201-069-1
EU EINECS/ELINCS LIST	201-069-1
Sodium citrate, anhydrous	
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-675-3
Dextrose	
Australia (AICS):	Present
Sodium chloride Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	231-598-3

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R36 - Irritating to eyes.

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Data Sources:

Pfizer proprietary drug development information. Safety data sheets for individual ingredients.

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Reasons for Revision:	Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 5 - Fire Fighting Measures. Updated Section 4 - First Aid Measures. Updated Section 10 - Stability and Reactivity. Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking.
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