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

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Material Name: Accupril® (Quinapril Hydrochloride) Tablets

Trade Name: ACCUPRIL; ACCUPRO

Chemical Family: Mixture

Intended Use: Pharmaceutical product used as Antihypertensive

2. HAZARDS IDENTIFICATION

Appearance: Brown tablets
Signal Word: WARNING

Statement of Hazard: Suspected of damaging the unborn child.

Additional Hazard Information:

Short Term: Antihypertensive drug: has blood pressure-lowering properties

Long Term: In humans, the use of drugs in this class (ACE inhibitors) can cause fetal and neonatal toxicity,

including low blood pressure and kidney failure, when they are taken during the second and

third trimesters of pregnancy.

Known Clinical Effects: Effects reported during clinical use include dizziness, headache, lethargy, changes in blood

pressure, nausea, and abdominal pain.

EU Indication of danger: Toxic to Reproduction: Category 3

EU Hazard Symbols:



EU Risk Phrases:

Australian Hazard Classification (NOHSC):

R63 - Possible risk of harm to the unborn child. 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 product or its ingredients 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.

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2. HAZARDS IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Quinapril hydrochloride	82586-55-8	Not Listed	Repr.Cat.3;R63	5.4 - 10.8
Magnesium carbonate	39409-82-0	Not Listed	Not Listed	*
Titanium dioxide	13463-67-7	236-675-5	Not Listed	*
Magnesium stearate	557-04-0	209-150-3	Not Listed	*

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Lactose hydrous	64044-51-5	Not Listed	Not Listed	*
Crospovidone	9003-39-8	Not Listed	Not Listed	*
Synthetic red iron oxide	NOT ASSIGNED	Not Listed	Not Listed	*
Candelilla wax	8006-44-8	232-347-0	Not Listed	*
Gelatin	9000-70-8	232-554-6	Not Listed	*

Additional Information: * Proprietary

Ingredient(s) indicated as hazardous have been assessed under standards for workplace

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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: Not determined

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6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see

Section 8). Minimize exposure.

Contain the source of spill if it is safe to do so. Collect spilled material by a method that **Measures for Cleaning / Collecting:**

controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of

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dry solids. 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.

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: Minimize dust generation and accumulation. If tablets or capsules are crushed and/or broken,

avoid breathing dust and 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.

Quinapril hydrochloride

Pfizer OEL TWA-8 Hr: 100µg/m³

Titanium dioxide

ACGIH Threshold Limit Value (TWA) 10 mg/m³ **Australia TWA** 10 mg/m³ Austria OEL - MAKs 5 mg/m^3 **Belgium OEL - TWA** 10 mg/m³ 10.0 mg/m³ **Bulgaria OEL - TWA Denmark OEL - TWA** 6 mg/m³ Estonia OEL - TWA 5 mg/m^3 10 mg/m³ France OEL - TWA **Greece OEL - TWA** 10 ma/m³

 5 mg/m^3

Ireland OEL - TWAs 10 ma/m³

 4 mg/m^3 10 mg/m³

Latvia OEL - TWA Lithuania OEL - TWA 5 mg/m^3 **OSHA - Final PELS - TWAs:** 15 mg/m³ **Poland OEL - TWA** 10.0 mg/m³ Portugal OEL - TWA 10 mg/m³ **Romania OEL - TWA** 10 ma/m³

Spain OEL - TWA 10 mg/m³ 5 mg/m³ Sweden OEL - TWAs

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Magnesium stearate

ACGIH Threshold Limit Value (TWA) 10 mg/m³
Lithuania OEL - TWA 5 mg/m³
Sweden OEL - TWAs 5 mg/m³

Analytical Method: Analytical method available for Quinapril hydrochloride. Contact Pfizer Inc for further

information.

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

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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:Film-coated tabletsColor:BrownMolecular Formula:MixtureMolecular Weight:Mixture

Polymerization: Will not occur

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

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

11. TOXICOLOGICAL INFORMATION

General Information: The information included in this section describes the potential hazards of the individual

ingredients.

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

Magnesium stearate

Rat Oral LD50 > 2000 mg/kg Rat Inhalation LC50 > 2000 mg/m³

Quinapril hydrochloride

PD063

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11. TOXICOLOGICAL INFORMATION

Rat Oral LD50 3541 mg/kg Mouse Oral LD50 1478 mg/kg Rat IV LD50 107 mg/kg

Titanium dioxide

Rat Oral LD50 > 7500 mg/kg Rat Subcutaneous LD 50 50 mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable

at the highest dose used in the test.

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

Quinapril hydrochloride

Skin Sensitization - GPMT Guinea Pig Negative

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

Quinapril hydrochloride

13 Week(s) Oral 50 mg/kg/day LOAEL Gastrointestinal System, Blood, Heart, Kidney Rat 13 Week(s) NOAEL Dog Oral 25 mg/kg/day Kidney, Blood, Liver, Gastrointestinal system 52 Week(s) Rat Oral 10 mg/kg/day LOAEL Kidney 52 Week(s) Dog Oral 10 mg/kg/day NOAEL Blood, Gastrointestinal system, Heart, Liver

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Quinapril hydrochloride

Peri-/Postnatal Development Rat Oral 150 mg/kg/day NOAEL No effects at maximum dose
Reproductive & Fertility Rat Oral 100 mg/kg/day NOAEL No effects at maximum dose
Prenatal & Postnatal Development Rat Oral 300 mg/kg/day NOAEL Not Teratogenic, No effects at maximum dose

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

Quinapril hydrochloride

Bacterial Mutagenicity (Ames) Salmonella, E. coli Negative
In Vitro Sister Chromatid Exchange Chinese Hamster Ovary (CHO) cells Negative
In Vivo Cytogenetics Rat Bone Marrow Negative
In Vivo Micronucleus Mouse Bone Marrow Negative

Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Quinapril hydrochloride

104 Week(s) Rat Oral 100 mg/kg/day NOAEL Not carcinogenic 104 Week(s) Mouse Oral 75 mg/kg/day NOAEL Not carcinogenic

Carcinogen Status: See below

Crospovidone

IARC: Group 3 (Not Classifiable)

Titanium dioxide

IARC: Group 2B (Possibly Carcinogenic to Humans)

OSHA: Listed

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12. ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this material have not been fully evaluated. Releases to

the environment should be avoided.

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

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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 Symbol: Xn

EU Indication of danger: Toxic to Reproduction: Category 3

EU Risk Phrases:

R63 - Possible risk of harm to the unborn child.

EU Safety Phrases:

S22 - Do not breathe dust.

S36/37 - Wear suitable protective clothing and gloves.

OSHA Label:

WARNING

Suspected of damaging the unborn child.

Canada - WHMIS: Classifications

WHMIS hazard class:

Class D, Division 2, Subdivision A



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15. REGULATORY INFORMATION

Lactose hydrous

Australia (AICS): Present

Crospovidone

Inventory - United States TSCA - Sect. 8(b) Present Australia (AICS): Present

Candelilla wax

Inventory - United States TSCA - Sect. 8(b)

Australia (AICS):

EU EINECS/ELINCS List

Present
232-347-0

Gelatin

Inventory - United States TSCA - Sect. 8(b)

Australia (AICS):

Present

EU EINECS/ELINCS List

232-554-6

Magnesium carbonate

Australia (AICS): Present

Titanium dioxide

Inventory - United States TSCA - Sect. 8(b)

Australia (AICS):

EU EINECS/ELINCS List

Present
236-675-5

Magnesium stearate

Inventory - United States TSCA - Sect. 8(b)

Australia (AICS):

EU EINECS/ELINCS List

Present
209-150-3

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R63 - Possible risk of harm to the unborn child.

Data Sources: Pfizer proprietary drug development information.

Reasons for Revision: Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking.

Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal

Protection.

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