



# SAFETY DATA SHEET

## 1. Identification

|                                                               |                                                                           |                 |
|---------------------------------------------------------------|---------------------------------------------------------------------------|-----------------|
| <b>Product identifier</b>                                     | <b>Paroxetine System Suitability Mixture A</b>                            |                 |
| <b>Other means of identification</b>                          |                                                                           |                 |
| <b>Catalog number</b>                                         | 1500353                                                                   |                 |
| <b>Recommended use</b>                                        | For analytical laboratory use only.                                       |                 |
| <b>Recommended restrictions</b>                               | Not for use as a drug. Not for administration to humans or animals.       |                 |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                           |                 |
| <b>Manufacturer</b>                                           |                                                                           |                 |
| <b>Company name</b>                                           | U. S. Pharmacopeia                                                        |                 |
| <b>Address</b>                                                | 12601 Twinbrook Parkway<br>Rockville<br>MD<br>20852-1790<br>United States |                 |
| <b>Telephone</b>                                              | Customer Service                                                          | 301-881-0666    |
| <b>Website</b>                                                | www.usp.org                                                               |                 |
| <b>E-mail</b>                                                 | RSTECH@usp.org                                                            |                 |
| <b>Emergency phone number</b>                                 | CHEMTREC within US & Canada                                               | 1-800-424-9300  |
|                                                               | CHEMTREC outside US & Canada                                              | +1 703-527-3887 |

## 2. Hazard(s) identification

|                              |                                   |            |
|------------------------------|-----------------------------------|------------|
| <b>Physical hazards</b>      | Not classified.                   |            |
| <b>Health hazards</b>        | Acute toxicity, oral              | Category 4 |
|                              | Serious eye damage/eye irritation | Category 1 |
|                              | Reproductive toxicity             | Category 1 |
| <b>Environmental hazards</b> | Not classified.                   |            |
| <b>OSHA defined hazards</b>  | Not classified.                   |            |

### Label elements



|                                                  |                                                                                                                                                                                                                                                                    |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                               | Danger                                                                                                                                                                                                                                                             |
| <b>Hazard statement</b>                          | Harmful if swallowed. Causes serious eye damage. May damage fertility or the unborn child.                                                                                                                                                                         |
| <b>Precautionary statement</b>                   |                                                                                                                                                                                                                                                                    |
| <b>Prevention</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.                                       |
| <b>Response</b>                                  | If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. |
| <b>Storage</b>                                   | Store locked up.                                                                                                                                                                                                                                                   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | This product is supplied in a small quantity which does not constitute a combustible dust hazard. The physical properties of this material indicate that in large quantities accumulated dust may be hazardous.                                                    |
| <b>Supplemental information</b>                  | Pharmacologically active material.                                                                                                                                                                                                                                 |

### 3. Composition/information on ingredients

#### Mixture

| Chemical name                 | Common name and synonyms | CAS number   | %     |
|-------------------------------|--------------------------|--------------|-------|
| PAROXETINE HCL                |                          | 78246-49-8   | 97.25 |
| Paroxetine Related Compound A |                          | No Data      | 1.29  |
| Paroxetine Related Compound B |                          | 1394842-91-1 | 1.27  |
| Related Impurities            |                          | No Data      | 0.2   |

Information provided in the SDS is not specific to the lot provided. Refer to the label and USP Certificate/Product Information Sheet for the assigned value of a particular lot.

### 4. First-aid measures

|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                                                             | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.                                                                                                                                                                                                                                                                                                                                                                              |
| Skin contact                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Eye contact                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.                                                                                                                                                                                                                                                                                                                                        |
| Ingestion                                                              | Rinse mouth thoroughly. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.                                                                                                                                                                                                                                                                   |
| Most important symptoms/effects, acute and delayed                     | Serious eye damage. Gastrointestinal disturbances. Mood or mental changes. Pharmacologically active material. Occupational exposure may cause physiological effects.                                                                                                                                                                                                                                                                                                                                                                   |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| General information                                                    | Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention. |

### 5. Fire-fighting measures

|                                                               |                                                                                                                                                                                        |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                                  | Water. Foam. Dry chemical or CO2. Use fire-extinguishing media appropriate for surrounding materials.                                                                                  |
| Unsuitable extinguishing media                                | None known.                                                                                                                                                                            |
| Specific hazards arising from the chemical                    | Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.       |
| Special protective equipment and precautions for firefighters | Wear suitable protective equipment.                                                                                                                                                    |
| Fire fighting equipment/instructions                          | Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. |
| Specific methods                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                             |
| General fire hazards                                          | No unusual fire or explosion hazards noted.                                                                                                                                            |

### 6. Accidental release measures

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate personal protective equipment. Avoid inhalation of dust from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up               | Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.                                                                                                                                                                                                                                                              |
| Environmental precautions                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## 7. Handling and storage

### Precautions for safe handling

Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Combustible dust clouds may be created where operations produce fine material (dust). As a general rule, when handling USP materials, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly. Select and use containment devices and personal protective equipment based on a risk assessment of material potency and exposure potential.

### Conditions for safe storage, including any incompatibilities

Store in tight container. This material should be handled and stored per label instructions to ensure product integrity.

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### Exposure limit values

#### Industrial Use Components

|                                 | Type | Value            |
|---------------------------------|------|------------------|
| PAROXETINE HCL (CAS 78246-49-8) | TWA  | 40 micrograms/m3 |

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

For laboratory operations, use local exhaust ventilation or a ventilated enclosure for high energy operations such as particle sizing. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.

#### Skin protection

##### Hand protection

Wear nitrile or other impervious gloves if skin contact is possible. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent.

##### Other

Train employees in proper gowning and degowning practices. Wear lab coat. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use. Do not wear protective garments in common areas (e.g., cafeterias) or out-of-doors.

#### Respiratory protection

Respirators are generally not required for laboratory operations. Use a tight-fitting full-face respirator with HEPA filters for spill cleanup. Choose respiratory protection appropriate to the task and the level of existing engineering controls.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

Handling practices in this SDS are recommendations for laboratory use of USP materials. Pharmacological effects may be seen with occupational exposure.

## 9. Physical and chemical properties

### Appearance

Appearance descriptions are general information and not specific to any USP lot.

#### Physical state

Solid.

#### Form

Powder.

#### Color

White. Off-white.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

### Initial boiling point and boiling range

Not available.

### Flash point

Not available.

### Evaporation rate

Not available.

### Flammability (solid, gas)

Not available.

**Upper/lower flammability or explosive limits**

|                                |                |
|--------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
|--------------------------------|----------------|

|                                |                |
|--------------------------------|----------------|
| Flammability limit - upper (%) | Not available. |
|--------------------------------|----------------|

|                             |                |
|-----------------------------|----------------|
| Explosive limit - lower (%) | Not available. |
|-----------------------------|----------------|

|                             |                |
|-----------------------------|----------------|
| Explosive limit - upper (%) | Not available. |
|-----------------------------|----------------|

|                |                |
|----------------|----------------|
| Vapor pressure | Not available. |
|----------------|----------------|

|               |                |
|---------------|----------------|
| Vapor density | Not available. |
|---------------|----------------|

|                  |                |
|------------------|----------------|
| Relative density | Not available. |
|------------------|----------------|

**Solubility(ies)**

|                    |                |
|--------------------|----------------|
| Solubility (water) | Not available. |
|--------------------|----------------|

|                           |                |
|---------------------------|----------------|
| Auto-ignition temperature | Not available. |
|---------------------------|----------------|

|                           |                |
|---------------------------|----------------|
| Decomposition temperature | Not available. |
|---------------------------|----------------|

|           |                |
|-----------|----------------|
| Viscosity | Not available. |
|-----------|----------------|

**10. Stability and reactivity**

|            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|------------|-----------------------------------------------------------------------------------------------|

|                    |                                             |
|--------------------|---------------------------------------------|
| Chemical stability | Material is stable under normal conditions. |
|--------------------|---------------------------------------------|

|                                    |                                                             |
|------------------------------------|-------------------------------------------------------------|
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
|------------------------------------|-------------------------------------------------------------|

|                     |                                      |
|---------------------|--------------------------------------|
| Conditions to avoid | Contact with incompatible materials. |
|---------------------|--------------------------------------|

|                        |                          |
|------------------------|--------------------------|
| Incompatible materials | Strong oxidizing agents. |
|------------------------|--------------------------|

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| Hazardous decomposition products | Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions. NOx. F-. Cl-. |
|----------------------------------|------------------------------------------------------------------------------------------------|

**11. Toxicological information****Information on likely routes of exposure**

|            |                                              |
|------------|----------------------------------------------|
| Inhalation | Knowledge about health hazard is incomplete. |
|------------|----------------------------------------------|

|              |                                              |
|--------------|----------------------------------------------|
| Skin contact | Knowledge about health hazard is incomplete. |
|--------------|----------------------------------------------|

|             |                            |
|-------------|----------------------------|
| Eye contact | Causes serious eye damage. |
|-------------|----------------------------|

|           |                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------|
| Ingestion | Harmful if swallowed. Based on a related compound, this material may cause: Serotonin syndrome. |
|-----------|-------------------------------------------------------------------------------------------------|

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms related to the physical, chemical and toxicological characteristics | Selective serotonin reuptake inhibitors (SSRIs): Agitation. Nervousness. Confusion. Headache. Tiredness. Dizziness. Insomnia. Blurred vision. Tremor. Weakness. Motor restlessness. Body aches or pain. Dilated pupils. Fever. Sweating. Increased urination. Dry mouth. Gastrointestinal disturbances. Decreased or increased appetite. Skin rash. Decreased sexual ability or desire. Absence of menstrual period. Discharge of milk-like substance from the breast. Fast heart rate. |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Information on toxicological effects**

|                |                       |
|----------------|-----------------------|
| Acute toxicity | Harmful if swallowed. |
|----------------|-----------------------|

| Components                      | Species | Test Results |
|---------------------------------|---------|--------------|
| PAROXETINE HCL (CAS 78246-49-8) |         |              |
| <b>Acute</b>                    |         |              |
| <b>Oral</b>                     |         |              |
| LD50                            | Rat     | 374 mg/kg    |

|                           |                                              |
|---------------------------|----------------------------------------------|
| Skin corrosion/irritation | Knowledge about health hazard is incomplete. |
|---------------------------|----------------------------------------------|

|                                   |                            |
|-----------------------------------|----------------------------|
| Serious eye damage/eye irritation | Causes serious eye damage. |
|-----------------------------------|----------------------------|

**Local effects**

|                |                                                                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PAROXETINE HCL | Eye irritation test, species not specified<br>Result: Severe.<br>Skin irritation test: (Draize)<br>Result: Irritating to abraded skin, but not irritating to intact skin.<br>Species: Rabbit |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Respiratory or skin sensitization**

**Respiratory sensitization** Knowledge about sensitization hazard is incomplete.

**Skin sensitization** Based on available data, the classification criteria are not met.

PAROXETINE HCL

Guinea pig maximization test  
Result: Negative.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Mutagenicity**

PAROXETINE HCL

Dominant lethal test: In vivo in rats  
Result: Not genotoxic.  
Mutagenicity: In vitro tests for cytogenetic aberrations in human lymphocytes  
Result: Not genotoxic.  
Mutagenicity: In vivo tests for cytogenetic aberrations in mouse bone marrow  
Result: Not genotoxic.  
Mutagenicity: Mouse lymphoma mutation assay  
Result: Not genotoxic.  
Mutagenicity: Reverse mutation assay in *S. typhimurium*  
Result: Not genotoxic.  
Mutagenicity: Unscheduled DNA synthesis assay  
Result: Not genotoxic.

**Carcinogenicity** Based on available data, the classification criteria are not met.

PAROXETINE HCL

1 - 20 mg/kg/day Carcinogenicity  
Result: Increased incidence of reticulum cell sarcomas and lymphoreticular tumors in males but not in females.  
Species: Rat  
Test Duration: 2 years  
1 - 25 mg/kg/day Carcinogenicity  
Result: Dose-related increase in the amount of tumors, but not in the amount of mice with tumors.  
Species: Mouse  
Test Duration: 2 years

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

May damage fertility or the unborn child. Epidemiological studies have shown an association between therapeutic use of paroxetine in the first trimester and an increased risk of congenital malformations, particularly cardiac defects, in the newborn.  
Therapeutic use of SSRIs late in pregnancy may be associated with a transient syndrome of central nervous system, motor, respiratory, and gastrointestinal effects in the newborn.

**Reproductivity**

PAROXETINE HCL

15 mg/kg/day Reproductivity: Fertility study  
Result: Reduced pregnancy rates in females.  
Species: Rat  
25 - 50 mg/kg/day Reproductivity: Toxicity study  
Result: Irreversible lesions in the reproductive tracts of males; impaired spermatogenesis.  
Species: Rat  
50 mg/kg/day Reproductivity, administered during organogenesis  
Result: Not teratogenic.  
Species: Rat  
6 mg/kg/day Reproductivity, administered during organogenesis  
Result: Not teratogenic.  
Species: Rabbit

**Specific target organ toxicity - single exposure** Knowledge about health hazard is incomplete.

**Specific target organ toxicity - repeated exposure** Knowledge about health hazard is incomplete.

|                            |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| <b>Aspiration hazard</b>   | Based on available data, the classification criteria are not met.                         |
| <b>Further information</b> | Pharmacologically active material. Occupational exposure may cause physiological effects. |

## 12. Ecological information

### Ecotoxicity

| Components                      |      | Species                        | Test Results              |
|---------------------------------|------|--------------------------------|---------------------------|
| PAROXETINE HCL (CAS 78246-49-8) |      |                                |                           |
| Aquatic                         |      |                                |                           |
| Acute                           |      |                                |                           |
| Crustacea                       | EC50 | Daphnia magna                  | 2.5 mg/l, 48 hours static |
| Fish                            | EC50 | Bluegill (Lepomis macrochirus) | 1.6 mg/l, 96 hours static |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

#### Octanol/water partition coefficient log K<sub>ow</sub>

PAROXETINE HCL 1.3, (pH 7)

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                     |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                             |
| <b>Waste from residues / unused products</b> | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                                            |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied.                                                                                                                |

## 14. Transport information

### DOT

|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| <b>UN number</b>                  | UN3077                                                                                |
| <b>UN proper shipping name</b>    | Environmentally hazardous substance, solid, n.o.s. (Paroxetine hydrochloride mixture) |
| <b>Transport hazard class(es)</b> |                                                                                       |
| Class                             | 9                                                                                     |
| Subsidiary risk                   | -                                                                                     |
| <b>Packing group</b>              | III                                                                                   |

### IATA

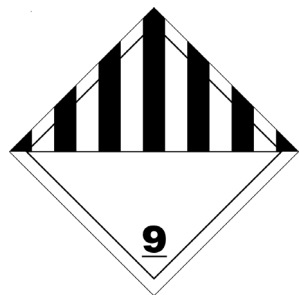
|                                   |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| <b>UN number</b>                  | UN3077                                                                                |
| <b>UN proper shipping name</b>    | Environmentally hazardous substance, solid, n.o.s. (Paroxetine hydrochloride mixture) |
| <b>Transport hazard class(es)</b> |                                                                                       |
| Class                             | 9                                                                                     |
| Subsidiary risk                   | -                                                                                     |
| <b>Packing group</b>              | III                                                                                   |

#### Other information

**Passenger and cargo aircraft** Allowed with restrictions.

**Cargo aircraft only** Allowed with restrictions.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

**General information**

It is the shipper's responsibility to determine the correct transport classification at the time of shipment.

**15. Regulatory information****US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Toxic Substances Control Act (TSCA)****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

Yes

**Classified hazard categories**

Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Reproductive toxicity

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**International Inventories**

| Country(s) or region | Inventory name                                                         | On inventory (yes/no)* |
|----------------------|------------------------------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada               | Domestic Substances List (DSL)                                         | No                     |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |

| Country(s) or region        | Inventory name                                                    | On inventory (yes/no)* |
|-----------------------------|-------------------------------------------------------------------|------------------------|
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | No                     |
| New Zealand                 | New Zealand Inventory                                             | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No                     |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue date          | 06-23-2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Revision date       | 08-08-2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Version #           | 04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Further information | Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Disclaimer          | USP materials are sold for analytical laboratory use only, and NOT for human consumption. The information contained herein is applicable solely to the chemical substance when used for analytical laboratory use and does not necessarily relate to any other use of the substance described, (i.e. at different concentrations, in drug dosage forms, or in bulk quantities). USP materials are intended for use by persons having technical skill and at their own discretion and risk. This information has been compiled by USP staff from sources considered to be scientifically reliable but has not been independently verified by USP. USP does not guarantee the accuracy or completeness of the information from these sources included herein nor should the statements contained herein be considered an official expression by USP. USP does not independently create or develop the information included in this safety data sheet. NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE is made with respect to the information contained herein. |