



# SAFETY DATA SHEET

## 1. Identification

|                                                        |                                                                                                                 |                 |  |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------|--|
| Product identifier                                     | Bimatoprost Related Compound A                                                                                  |                 |  |
| Other means of identification                          |                                                                                                                 |                 |  |
| Catalog number                                         | 1071359                                                                                                         |                 |  |
| Chemical name                                          | (E)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(S,E)-3-hydroxy-5-phenylpent-1-en-1-yl]cyclopentyl]-N-ethylhept-5-enamide |                 |  |
| Recommended use                                        | For analytical laboratory use only.                                                                             |                 |  |
| Recommended restrictions                               | Not for use as a drug. Not for administration to humans or animals.                                             |                 |  |
| Manufacturer/Importer/Supplier/Distributor information |                                                                                                                 |                 |  |
| Manufacturer                                           |                                                                                                                 |                 |  |
| Company name                                           | U. S. Pharmacopeia                                                                                              |                 |  |
| Address                                                | 12601 Twinbrook Parkway<br>Rockville<br>MD<br>20852-1790<br>United States                                       |                 |  |
| Telephone                                              | Customer Service                                                                                                | 301-881-0666    |  |
| Website                                                | www.usp.org                                                                                                     |                 |  |
| E-mail                                                 | RSTECH@usp.org                                                                                                  |                 |  |
| Emergency phone number                                 | CHEMTREC within US & Canada                                                                                     | 1-800-424-9300  |  |
|                                                        | CHEMTREC outside US & Canada                                                                                    | +1 703-527-3887 |  |

## 2. Hazard(s) identification

|                       |                                                 |            |
|-----------------------|-------------------------------------------------|------------|
| Physical hazards      | Flammable liquids                               | Category 2 |
| Health hazards        | Acute toxicity, oral                            | Category 3 |
|                       | Acute toxicity, dermal                          | Category 3 |
|                       | Acute toxicity, inhalation                      | Category 3 |
|                       | Specific target organ toxicity, single exposure | Category 1 |
| Environmental hazards | Not classified.                                 |            |
| OSHA defined hazards  | Not classified.                                 |            |
| Label elements        |                                                 |            |



|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>             | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Hazard statement</b>        | Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs.                                                                                                                                                                                                                                                                                                                                  |
| <b>Precautionary statement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Prevention</b>              | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. |
| <b>Response</b>                | If exposed: Call a poison center/doctor. If swallowed: Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. In case of fire: Use appropriate media for extinction.                                                                                                             |

|                                                  |                                                                                                     |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Storage</b>                                   | Keep cool. Store in a well-ventilated place. Keep container tightly closed. 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> | None known.                                                                                         |
| <b>Supplemental information</b>                  | Pharmaceutical related compound of unknown potency.                                                 |

### 3. Composition/information on ingredients

#### Mixture

| Chemical name                  | Common name and synonyms | CAS number   | %     |
|--------------------------------|--------------------------|--------------|-------|
| Methanol                       |                          | 67-56-1      | 69.99 |
| Water                          |                          | 7732-18-5    | 29.99 |
| Bimatoprost Related Compound A | 5-trans-Bimatoprost      | 1163135-95-2 | 0.05  |

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

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove person to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a poison center or doctor/physician.                                                                                                                                                     |
| <b>Skin contact</b>                                                           | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                     |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                                                                                                    |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. Rinse mouth. 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. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.                                                                                                   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Pharmaceutical related compound of unknown potency. It is not known if occupational exposure may cause physiological effects.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep affected person under observation. Symptoms may be delayed.                                                                                                                                                                                                 |
| <b>General information</b>                                                    | 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

|                                                                      |                                                                                                                      |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                                          |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                               |
| <b>Specific hazards arising from the chemical</b>                    | By heating and fire, harmful vapors/gases may be formed.                                                             |
| <b>Special protective equipment and precautions for firefighters</b> | Use protective equipment appropriate for surrounding materials.                                                      |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                           |
| <b>General fire hazards</b>                                          | Highly flammable liquid and vapor.                                                                                   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment. Avoid inhalation of vapors. 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

Absorb spillage with suitable absorbent material. Remove sources of ignition. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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

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.

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components             | Type | Value                 |
|------------------------|------|-----------------------|
| Methanol (CAS 67-56-1) | PEL  | 260 mg/m <sup>3</sup> |
|                        |      | 200 ppm               |

#### US. ACGIH Threshold Limit Values

| Components             | Type | Value   |
|------------------------|------|---------|
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
|                        | TWA  | 200 ppm |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components             | Type | Value                 |
|------------------------|------|-----------------------|
| Methanol (CAS 67-56-1) | STEL | 325 mg/m <sup>3</sup> |
|                        |      | 250 ppm               |
|                        | TWA  | 260 mg/m <sup>3</sup> |
|                        |      | 200 ppm               |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components             | Value   | Determinant | Specimen | Sampling Time |
|------------------------|---------|-------------|----------|---------------|
| Methanol (CAS 67-56-1) | 15 mg/l | Methanol    | Urine    | *             |

\* - For sampling details, please see the source document.

### Exposure guidelines

#### US - California OELs: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies

Methanol (CAS 67-56-1)

Skin designation applies.

#### US - Tennessee OELs: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

#### US ACGIH Threshold Limit Values: Skin designation

Methanol (CAS 67-56-1)

Danger of cutaneous absorption

#### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b>                                      | No open handling. For laboratory operation, use an engineered local exhaust ventilation (LEV) and/or enclosure or isolator system for procedures where aerosolization of solutions may occur (e.g., vortexing, pipetting, pumping). Control the potential for spills and leaks by securing all connections. 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. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Eye/face protection</b>                                                   | 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.                                                                                                                                                                                                                                                                                                                                   |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Hand protection</b>                                                       | Consider double gloves. 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.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Other</b>                                                                 | Train employees in proper gowning and degowning practices. Wear disposable lab coat, disposable sleeve covers and two pair of gloves as appropriate for the task. 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.                                                                                                                                                                                                             |
| <b>Respiratory protection</b>                                                | Use a powered air-purifying respirator (PAPR) with HEPA filters, disposable outerware and head cover for spill cleanup. Choose respiratory protection appropriate to the task and the level of existing engineering controls.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Thermal hazards</b>                                                       | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>General hygiene considerations</b>                                        | Pharmacological effects may be seen with occupational exposure. Handling practices in this SDS are recommendations for laboratory use of USP materials.                                                                                                                                                                                                                                                                                                                                                                                                                                |

## 9. Physical and chemical properties

|                                                     |                                                                                  |
|-----------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Appearance</b>                                   | Appearance descriptions are general information and not specific to any USP lot. |
| <b>Physical state</b>                               | Liquid.                                                                          |
| <b>Form</b>                                         | Liquid.                                                                          |
| <b>Color</b>                                        | Not available.                                                                   |
| <b>Odor</b>                                         | Not available.                                                                   |
| <b>Odor threshold</b>                               | Not available.                                                                   |
| <b>pH</b>                                           | Not available.                                                                   |
| <b>Melting point/freezing point</b>                 | Not available.                                                                   |
| <b>Initial boiling point and boiling range</b>      | Not available.                                                                   |
| <b>Flash point</b>                                  | 64.4 °F (18.0 °C) Closed Cup                                                     |
| <b>Evaporation rate</b>                             | Not available.                                                                   |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                                                                  |
| <b>Upper/lower flammability or explosive limits</b> |                                                                                  |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                                                   |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                                                   |
| <b>Vapor pressure</b>                               | Not available.                                                                   |
| <b>Vapor density</b>                                | Not available.                                                                   |
| <b>Relative density</b>                             | Not available.                                                                   |
| <b>Solubility(ies)</b>                              |                                                                                  |
| <b>Solubility (water)</b>                           | Not available.                                                                   |
| <b>Auto-ignition temperature</b>                    | Not available.                                                                   |
| <b>Decomposition temperature</b>                    | Not available.                                                                   |
| <b>Viscosity</b>                                    | Not available.                                                                   |

## 10. Stability and reactivity

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |

|                                         |                                                                                                                                                                                                            |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conditions to avoid</b>              | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>           | Strong oxidizing agents.                                                                                                                                                                                   |
| <b>Hazardous decomposition products</b> | Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.                                                                                                                           |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| <b>Inhalation</b>   | Toxic if inhaled. May cause damage to organs by inhalation. |
| <b>Skin contact</b> | Toxic in contact with skin.                                 |
| <b>Eye contact</b>  | Knowledge about health hazard is incomplete.                |
| <b>Ingestion</b>    | Toxic if swallowed.                                         |

**Symptoms related to the physical, chemical and toxicological characteristics**  
Central nervous system effects. Difficulty breathing. Visual disturbances. Gastrointestinal disturbances. Metabolic acidosis. Seizures. Low blood pressure.

### Information on toxicological effects

**Acute toxicity**  
Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.

| Components             | Species | Test Results                              |
|------------------------|---------|-------------------------------------------|
| Methanol (CAS 67-56-1) |         |                                           |
| <b>Acute</b>           |         |                                           |
| <b>Dermal</b>          |         |                                           |
| LD50                   | Rabbit  | 17100 mg/kg<br>15800 mg/kg                |
| <b>Inhalation</b>      |         |                                           |
| <i>Vapor</i>           |         |                                           |
| LC50                   | Rat     | 128.2 mg/l, 4 Hours<br>82.1 mg/l, 6 Hours |
| <b>Oral</b>            |         |                                           |
| LD50                   | Rat     | 1187 - 2769 mg/kg                         |

**Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**  
Based on available data, the classification criteria are not met.

#### Local effects

Methanol

Eye irritation  
Result: Negative.  
Species: Rabbit  
Skin irritation  
Result: Negative.  
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.

Methanol

Guinea pig maximization test  
Result: Negative.

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

#### Mutagenicity

Methanol

Ames test (Salmonella typhimurium)  
Result: Negative (+/- activation)  
Mutagenicity, Chromosomal aberration assays in yeast and grasshoppers  
Result: Positive.

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

**Carcinogenicity**

Methanol

10 - 1000 ppm Carcinogenicity

Result: Negative.

Species: Rat

Test Duration: 18 months

Carcinogenicity, 25 mL/twice daily. One tumor out of 80 specimens;.

Species: Mouse

Test Duration: 50 weeks

**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**

Knowledge about health hazard is incomplete. Prostaglandins cause smooth muscle contraction and may induce uterine contractions in pregnant women.

**Reproductivity**

Methanol

20000 ppm Reproductivity, Increased incidence of anomalies and maternal effects at high doses.

Species: Rat

Reproductivity, Behavioral effects in offspring; increased incidence of anomalies; maternal toxicity.

Species: Rat

Reproductivity, High doses increased fetal resorptions and malformations, including neural, cranial, and ocular defects.

Species: Mouse

**Specific target organ toxicity - single exposure**

Causes damage to organs.

**Specific target organ toxicity - repeated exposure**

Knowledge about health hazard is incomplete.

**Aspiration hazard**

Knowledge about health hazard is incomplete.

**Further information**

Pharmaceutical related compound of unknown potency. It is not known if occupational exposure may cause physiological effects.

**12. Ecological information****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product                        |      | Species                              | Test Results                        |
|--------------------------------|------|--------------------------------------|-------------------------------------|
| Bimatoprost Related Compound A |      |                                      |                                     |
| <b>Aquatic</b>                 |      |                                      |                                     |
| Crustacea                      | EC50 | Daphnia                              | 24552.8809 mg/l, 48 hours estimated |
| Fish                           | LC50 | Fish                                 | 29256.2695 mg/l, 96 hours estimated |
| Components                     |      | Species                              | Test Results                        |
| Methanol (CAS 67-56-1)         |      |                                      |                                     |
| <b>Aquatic</b>                 |      |                                      |                                     |
| Crustacea                      | EC50 | Water flea (Daphnia magna)           | > 10000 mg/l, 48 hours              |
| Fish                           | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/l, 96 hours                |

**Persistence and degradability**

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

**Bioaccumulative potential****Octanol/water partition coefficient log Kow**

Methanol

-0.77

**Mobility in soil**

No data available.

**Other adverse effects**

The product contains volatile organic compounds which have a photochemical ozone creation potential.

## 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>                  | D001: Waste Flammable material with a flash point <140 F<br>U154: Waste Methyl alcohol<br>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>                  | UN1230            |
| <b>UN proper shipping name</b>    | Methanol Solution |
| <b>Transport hazard class(es)</b> |                   |
| <b>Class</b>                      | 3                 |
| <b>Subsidiary risk</b>            | 6.1               |
| <b>Packing group</b>              | II                |

### IATA

|                                   |                   |
|-----------------------------------|-------------------|
| <b>UN number</b>                  | UN1230            |
| <b>UN proper shipping name</b>    | Methanol Solution |
| <b>Transport hazard class(es)</b> |                   |
| <b>Class</b>                      | 3                 |
| <b>Subsidiary risk</b>            | 6.1               |
| <b>Packing group</b>              | II                |

#### 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 established.

### DOT



### IATA



**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)

Methanol (CAS 67-56-1) 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

**Classified hazard categories** Yes  
Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route of exposure)  
Specific target organ toxicity (single or repeated exposure)

#### SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Methanol      | 67-56-1    | 69.99    |

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methanol (CAS 67-56-1)

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

Not regulated.

#### Safe Drinking Water Act (SDWA)

Contains component(s) regulated under the Safe Drinking Water Act.

### US state regulations

#### California Proposition 65



**WARNING:** This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### California Proposition 65 - CRT: Listed date/Developmental toxin

Methanol (CAS 67-56-1) Listed: March 16, 2012

#### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Methanol (CAS 67-56-1)

### 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                     |
| 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                     |

| Country(s) or region        | Inventory name                                | On inventory (yes/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    | 02-15-2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Revision date | 12-11-2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Version #     | 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Disclaimer    | <p>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.</p> |