

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

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| 1.1 | Product identifier | |
| | Catalog Number | BP16143 |
| | Chemical Name | QX-314 bromide |
| | CAS Number | 24003-58-5 |
| 1.2 | Relevant identified uses of the substance or mixture and uses advised against | |
| | Identified uses | For Research Use Only, Not For Human or Veterinary Use. |
| 1.3 | Details of the supplier of the safety data sheet | |
| | Company | Purdue Bioscience Inc. |
| | Address | 750 50th St, Brooklyn, NY 11220, USA |
| | Website | https://www.purduebio.com |
| 1.4 | Relevant identified uses of the substance or mixture and uses advised against | |
| | Emergency telephone number | 1-877.618.7311 |

2. HAZARDS IDENTIFICATION

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| 2.1 | Classification of the substance or mixture |
| | Not a hazardous substance or mixture. |

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| 2.2 | GHS Label elements, including precautionary statements |
| | Not a hazardous substance or mixture. |
| 2.3 | Other hazards |
| | None. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| | | |
|-----|------------------|--|
| 3.1 | Substances | |
| | Chemical Name | QX-314 bromide |
| | Solubility | |
| | CAS No. | 24003-58-5 |
| | Chemical Formula | C ₁₆ H ₂₇ BrN ₂ O |
| | Molecular Weight | 343.3 |

4. FIRST AID MEASURES

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| 4.1 | Description of first aid measures | |
| | In case of Inhalation | Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation. |
| | In case of Skin | Rinse skin thoroughly with large amounts of water. Remove contaminated |
| | contact | clothing and shoes and call a physician. |
| | In case of Eye contact | Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician. |

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| | In case of Ingestion | Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel. |
| 4.2 | Most important symptoms and effects, both acute and delayed | |
| | No data available | |
| 4.3 | Indication of any immediate medical attention and special treatment needed | |
| | Treat symptomatically. | |

5. FIRE FIGHTING MEASURES

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| 5.1 | Suitable extinguishing media |
| | Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher. |
| 5.2 | Special hazards arising from the substance or mixture |
| | During combustion, may emit irritant fumes. |
| 5.3 | Advice for firefighters |
| | As in any fire, wear self-contained breathing apparatus and protective clothing. |

6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal precautions, protective equipment and emergency procedures |
| | Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Refer to protective measures listed in sections 8. |
| 6.2 | Environmental precautions |
| | Try to prevent further leakage or spillage. Keep the product away from drains or water courses. |

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| 6.3 | Methods and materials for containment and cleaning up |
| | Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13. |

7. HANDLING AND STORAGE

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| 7.1 | Precautions for safe handling |
| | Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation. |
| 7.2 | Conditions for safe storage, including any incompatibilities |
| | Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition. Recommended storage temperature: Store at -20°C. |
| 7.3 | Specific end use(s) |
| | No data available. |

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 | Control parameters | |
| | Components with workplace control parameters This product contains no substances with occupational exposure limit values. | |
| 8.2 | Exposure controls | |
| | Engineering controls Ensure adequate ventilation. Provide accessible safety shower and eye wash station. Personal protective equipment | |
| | Eye protection | Safety goggles with side-shields. |
| | Hand protection | Protective gloves. |

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| | Protective gloves. | Impervious clothing. |
| | Respiratory protection | Suitable respirator. |
| | Environmental exposure controls | Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|-----|---|-------------------|
| 9.1 | Information on basic physical and chemical properties | |
| | Physical states | Solid |
| | Odor | No data available |
| | Odor threshold | No data available |
| | pH | No data available |
| | Melting/freezing point | No data available |
| | Boiling point/range | No data available |
| | Flash point | No data available |
| | Evaporation rate | No data available |
| | Flammability (solid, gas) | No data available |
| | Upper/lower flammability or explosive limits | No data available |
| | Vapor pressure | No data available |
| | Vapor density | No data available |
| | Relative density | No data available |

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|-----|---------------------------|--|
| | Water solubility | Refer to protective measures listed in sections 3.1. |
| | Partition coefficient | No data available |
| | Auto-ignition temperature | No data available |
| | Decomposition temperature | No data available |
| | Viscosity | No data available |
| | Explosive properties | No data available |
| | Oxidizing properties | No data available |
| 9.2 | Other safety information | No data available |

10. STABILITY AND REACTIVITY

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|------|--|
| 10.1 | Reactivity |
| | No data available. |
| 10.2 | Chemical stability |
| | Stable under recommended storage conditions. |
| 10.3 | Possibility of hazardous reactions |
| | No data available. |
| 10.4 | Conditions to avoid |
| | No data available. |
| 10.5 | Incompatible materials |
| | No data available. |

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| 10.6 | Hazardous decomposition products |
| | Under fire conditions, may decompose and emit toxic fumes. Other decomposition products - No Data Available. |

11.TOXICOLOGICAL INFORMATION

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|------|---|
| 11.1 | Information on toxicological effects |
| | The toxicological information has not been thoroughly studied and is based on our current knowledge. For more details, see section 2. |
| 11.2 | Carcinogenicity |
| | IARC Monographs? No ACGIH? No NTP? No OSHA Regulated? No |

12.ECOLOGICAL INFORMATION

| | |
|------|------------------------------------|
| 12.1 | Toxicity |
| | No Data Available |
| 12.2 | Persistence and degradability |
| | No Data Available |
| 12.3 | Mobility in soil |
| | No Data Available |
| 12.4 | Bioaccumulative potential |
| | No Data Available |
| 12.5 | Results of PBT and vPvB assessment |

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| | PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted. |
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13.DISPOSAL CONSIDERATIONS

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| 13.1 | Waste disposal methods |
| | Dispose substance in accordance with prevailing country, federal, state and local regulations. |
| 13.2 | Contaminated packaging |
| | Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations. |

14.TRANSPORT INFORMATION

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| | DOT (US) |
| | This substance is considered to be non-hazardous for transport. |
| | IMDG |
| | This substance is considered to be non-hazardous for transport. |
| | IATA |
| | This substance is considered to be non-hazardous for transport. |

15. REGULATORY INFORMATION

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| | SARA 302 components |
| | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
| | SARA 313 components |

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| | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| | SARA 311/312 hazards |
| | No SARA Hazards. |
| | Massachusetts Right to Know components |
| | No components are subject to the Massachusetts Right to Know Act. |
| | Pennsylvania Right to Know components |
| | No components are subject to the Pennsylvania Right to Know Act. |
| | New Jersey Right to Know components |
| | No components are subject to the New Jersey Right to Know Act. |
| | California Prop. 65 components |
| | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. |

16. OTHER INFORMATION

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| | Copyright Purdue Bioscience Inc. The above information is believed to be correct based on our present knowledge but does not purport to be complete. The product is for research use only and for trained researchers. The burden of safe use of this material rests entirely with the user. Purdue Bioscience disclaims all liability for any damage resulting from use of this material. |
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