

4-(2-Bromoethyl)phenol Safety Data Sheet 2701911 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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| | C 01 1330C. 00/04/2010 VC131011. | | |
|---|---|--|-----------|
| SECTION 1: Identification | | | |
| 1.1. Identification | | | |
| Product form | : Substance | | |
| Substance name | : 4-(2-Bromoethyl)phenol | | |
| CAS No | : 14140-15-9 | | |
| Product code | : 2701-9-11 | | |
| Formula : C8H9BrO | | | |
| Synonyms : 4-Hydroxyphenethyl bromide | | | |
| Other means of identification : MFCD00129679 | | | |
| 1.2. Relevant identified uses of the | substance or mixture and uses a | dvised against | |
| Use of the substance/mixture | : Laboratory chemicals Manufacture of substance Scientific research and de | 25 | |
| 4.2 Details of the sumplier of the sec | | volopment | |
| 1.3. Details of the supplier of the sa | itety data sneet | | |
| SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab | | | |
| 1.4. Emergency telephone number | | | |
| Emergency number | : (844) 523-4086 (3E Com | bany - Account 10069) | |
| SECTION 2: Upperd(a) identifies | : | | |
| SECTION 2: Hazard(s) identificat 2.1. Classification of the substance | | | |
| Full text of H-phrases: see section 16 2.2. Label elements | | | |
| GHS-US labeling | | | |
| Hazard pictograms (GHS-US) | GHS07 | | |
| Signal word (GHS-US) | : Warning | | |
| Hazard statements (GHS-US) | H315 - Causes skin irritat H319 - Causes serious e H335 - May cause respira | ve irritation | |
| Precautionary statements (GHS-US) | P280 - Wear protective gl P302+P352 - If on skin: V P304+P340 - If inhaled: F P305+P351+P338 - If in d lenses, if present and eas P312 - Call a POISON CI P321 - Specific treatment P332+P313 - If skin irritat P337+P313 - If eye irritat P362+P364 - Take off co P403+P233 - Store in a w P405 - Store locked up | hly after handling or in a well-ventilated area oves/protective clothing/eye protection/face protectior /ash with plenty of soap and water temove person to fresh air and keep comfortable for b eyes: Rinse cautiously with water for several minutes. | preathing |
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| 2.3. Other hazards | |
|---|--|
| No additional information available | |
| 2.4. Unknown acute toxicity | (GHS US) |
| Not applicable | |
| SECTION 3: Composition/i | information on ingredients |
| 3.1. Substance | |
| Substance type | : Mono-constituent |
| Name | Product identifier % Classification (GHS-US) |
| 4-(2-Bromoethyl)phenol (Main constituent) | (CAS No) 14140-15-9 <= 100 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 |
| Full text of H-phrases: see section 1 | 16 |
| 3.2. Mixture | |
| Not applicable | |
| SECTION 4: First aid meas | sures |
| 4.1. Description of first aid m | measures |
| First-aid measures general | : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificia respiration. Get medical advice/attention. |
| First-aid measures after skin contac | ct : Wash with plenty of soap and water. Get medical advice/attention. |
| First-aid measures after eye contact | Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses present and easy to do. Continue rinsing. Get medical advice/attention. |
| First-aid measures after ingestion | : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention. |
| 4.2. Most important sympton | ms and effects, both acute and delayed |
| Symptoms/injuries | : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. |
| 1.2 Indication of any immed | diate medical attention and special treatment needed |
| +.3. Indication of any immed | |
| · · · · · · · · · · · · · · · · · · · | |
| Treat symptomatically. | |
| Treat symptomatically. SECTION 5: Firefighting me | |
| Treat symptomatically. SECTION 5: Firefighting media | |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media | easures : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising | neasures : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising fire hazard | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" |
| Freat symptomatically. SECTION 5: Firefighting media S.1. Extinguishing media Suitable extinguishing media S.2. Special hazards arising Fire hazard S.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental releation | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" |
| Freat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release 5.1. Personal precautions, p | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" ease measures |
| Treat symptomatically. SECTION 5: Firefighting media 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental releters 5.1. Personal precautions, progeneral measures | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" ease measures cortective equipment and emergency procedures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. |
| Treat symptomatically. SECTION 5: Firefighting media Suitable extinguishing media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental rele 6.1. Personal precautions, pro- General measures 6.1.1. For non-emergency person | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. from the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" ease measures cortective equipment and emergency procedures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. |
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| Treat symptomatically. SECTION 5: Firefighting media Suitable extinguishing media 5.2. Special hazards arising Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental rele 6.1. Personal precautions, pr General measures 6.1.1. For non-emergency pers Emergency procedures | Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. Ifrom the substance or mixture : Thermal decomposition generates: Carbon oxides. Hydrogen bromide. : In case of fire: Evacuate area. : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection" (ease measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. : Only qualified personnel equipped with suitable protective equipment may intervene.) |

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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| 6.3. Me | Methods and material for containment and cleaning up | | |
|--------------|--|--|--|
| For containm | nent | : Stop leak if safe to do so. | |
| Methods for | cleaning up | : Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. | |
| Other inform | ation | : For disposal of solid materials or residues refer to section 13 : "Disposal considerations". | |
| 6.4. Re | eference to other sections | | |
| No additiona | l information available | | |
| SECTION | 7: Handling and storage | | |
| 74 D. | | | |
| 7.1. Pr | ecautions for safe handling | | |
| | ecautions for safe handling for safe handling | : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes. | |

| 7.2. Conditions for safe storage, including any incompatibilities | | |
|---|--|--|
| Technical measures | : Comply with applicable regulations. | |
| Storage conditions | : Keep container closed when not in use. | |
| Incompatible materials | : Refer to Section 10 on Incompatible Materials. | |
| Storage area | : Store in dry, cool, well-ventilated area. | |

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

| 8.2. Exposure controls | |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
| Hand protection | : Protective gloves. 29 CFR 1910.138: Hand Protection. |
| Eye protection | : Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. |
| Skin and body protection | : Wear suitable protective clothing. |
| Respiratory protection | In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. |
| Other information | : Safety shoes. 29 CFR 1910.136: Foot Protection. |

| OFOTION | | |
|----------|------------------------|----------------|
| ISECTION | 9: Physical and chemic | cal properties |

| 9.1. Information on basic physical and | d chemical properties |
|---|-----------------------|
| Physical state | : Solid |
| Color | : No data available |
| Odor | : No data available |
| Odor threshold | : No data available |
| рН | : No data available |
| Melting point | : 88 - 92 °C |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Molecular mass | : 201.06 g/mol |
| | |

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| Solubility | : No data available |
|---------------------------|---------------------|
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| | |

9.2. **Other information**

No additional information available

| SECTION 10: Stability and reactive | |
|--|--|
| | nty |
| 10.1. Reactivity No additional information available | |
| No additional information available | |
| 10.2. Chemical stability | |
| The product is stable at normal handling and | storage conditions. |
| 10.3. Possibility of hazardous reaction | ns |
| No additional information available | |
| 10.4. Conditions to avoid | |
| Keep away from heat, sparks and flame. | |
| 10.5. Incompatible materials | |
| Strong bases. Strong oxidizing agents. | |
| 10.6. Hazardous decomposition produ | ucts |
| Under normal conditions of storage and use, fire, see Section 5. | hazardous decomposition products should not be produced. Hazardous decomposition products in case of |
| SECTION 11: Toxicological inform | nation |
| 11.1. Information on toxicological effe | ects |
| | |
| Acute toxicity | : Not classified |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| Reproductive toxicity | : Not classified |
|--|-------------------------------------|
| Specific target organ toxicity (single exposure) | : May cause respiratory irritation. |

Specific target organ toxicity (repeated : Not classified exposure)

Aspiration hazard

: Not classified

| SECT | ION 12: Ecological information | | | |
|----------|---------------------------------------|-----------------|-----------------|-----|
| 12.1. | Toxicity | | | |
| No addi | tional information available | | | |
| 12.2. | Persistence and degradability | | | |
| No addi | tional information available | | | |
| 12.3. | Bioaccumulative potential | | | |
| No addi | tional information available | | | |
| 12.4. | Mobility in soil | | | |
| No addi | tional information available | | | |
| 12.5. | Other adverse effects | | | |
| No addi | tional information available | | | |
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| SECTION 42. Dispessel consideration | | |
|---|---|--|
| SECTION 13: Disposal consideration | bus | |
| 13.1. Waste treatment methods | | |
| Waste treatment methods | : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. | |
| Waste disposal recommendations | : Dispose of contents/container in accordance with licensed collector's sorting instructions. | |
| Additional information | : Recycle the material as far as possible. | |
| | | |
| SECTION 14: Transport information | h . | |
| Department of Transportation (DOT) | | |
| In accordance with DOT | | |
| Not regulated for transport | | |
| | | |
| TDG | | |
| No additional information available | | |
| Transport by sea | | |
| No additional information available | | |
| | | |
| Air transport | | |
| No additional information available | | |
| SECTION 15: Regulatory information | | |
| | | |
| 15.1. US Federal regulations | | |
| All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic | | |

| Substances Control Act (TSCA) inventory except for: | | |
|---|-------------------|------|
| 4-(2-Bromoethyl)phenol | CAS No 14140-15-9 | 100% |

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A | |
|---------------|---|--|
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 | |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 | |
| H315 | Causes skin irritation | |
| H319 | Causes serious eye irritation | |
| H335 | May cause respiratory irritation | |

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| NFPA health hazard | : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. | |
|--------------------|---|--|
| NFPA fire hazard | : 0 - Materials that will not burn. | |
| NFPA reactivity | : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. | |
| HMIS III Rating | | |
| Health | : 2 Moderate Hazard - Temporary or minor injury may occur | |
| Flammability | : 0 Minimal Hazard - Materials that will not burn | |
| Physical | : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. | |

SDS US (GHS HazCom 2012)

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