

Revision number: 1 Revision date: 07/06/2018

## 1. IDENTIFICATION

Product name: Product code:

### Product use: Restrictions on use:

Company: TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

## 4-(Bromomethyl)benzoic Acid B0845

**TCI AMERICA** 

SAFETY DATA SHEET

For laboratory research purposes. Not for drug or household use.

## Emergency telephone number:

Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) **Responsible department:** TCI America Environmental Health Safety and Security +1- 503-286-7624

## 2. HAZARD(S) IDENTIFICATION

| OSHA Haz Com: CFR 1910.1200:<br>WHMIS 2015: | Eye Damage/Irritation [Category 1]<br>Skin Corrosion/Irritation [Category 1C]  |
|---|--|
| Signal word:                                | Danger!  |
| Hazard Statement(s):                        | Causes severe skin burns and eye damage  |
| Pictogram(s) or Symbol(s):                  |  |
| Precautionary Statement(s):<br>[Prevention] | Do not breathe dusts or mists. Wash hands and face thoroughly after handling. Wear protective gloves, protective clothing, face protection.  |
| [Response]                                  | If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>Immediately call a poison center or doctor. Wash contaminated clothing before reuse. If inhaled:<br>Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. |
| [Storage]<br>[Disposal]                     | Store locked up.<br>Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40<br>CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.).  |
| Hazards not otherwise classified:<br>[HNOC] | None.  |

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Components: Percent: CAS RN: Molecular Weight: Chemical Formula: Synonyms: Substance 4-(Bromomethyl)benzoic Acid >97.0%(GC)(T) 6232-88-8 215.05 C<sub>8</sub>H<sub>7</sub>BrO<sub>2</sub> α-Bromo-p-toluic Acid

Eye protection:

Skin and body protection:

| 4. FIRST-AID MEASURES  |  |
|--|--|
| Description of first aid measures  |  |
| Inhalation:  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a  |
| Skin contact:  | POISON CENTER or doctor/physician.<br>Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water.                              |
| Skii contact.  | Immediately call a POISON CENTER or doctor/physician.  |
| Eye contact:   | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.   |
| Ingestion:   | Continue rinsing.Immediately call a POISON CENTER or doctor/physician.<br>Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. |
| Symptoms/effects:  |  |
| Acute:   | Pain. Redness.   |
| Delayed:   | No data available  |
| Indication of any immediate medical atte   | ention:  |
| Not available.   |  |
| Notes to physician:  |  |
| No data available  |  |
| 5. FIRE-FIGHTING MEASURES  |  |
| Suitable extinguishing media:  | Dry chemical, foam, water spray, carbon dioxide.   |
| Specific hazards arising from the  | Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.  |
| chemical:  |  |
| Hazardous combustion products:<br>Other specific hazards:  | These products include: Carbon oxides Halogenated compounds<br>Closed containers may explode from heat of a fire.  |
| Advice for firefighters:   | Wear self-contained breathing apparatus if possible.   |
| 6. ACCIDENTAL RELEASE MEASU  | RES  |
| Personal precautions, protective<br>equipment and emergency procedures:<br>Environmental precautions:<br>Methods and materials for containment | Prevent product from entering drains.  |
| and cleaning up:   | material should be promptly disposed of, in accordance with appropriate laws and regulations.  |
| 7. HANDLING AND STORAGE  |  |
| Precautions for safe handling:   | Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent  |
| recoultons for sale handling.  | dispersion of dust. Wash hands and face thoroughly after handling.   |
|  | Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.   |
| Conditions for safe storage, including a   | Avoid contact with skin, eyes and clothing.  |
| Storage conditions:  | Keep container tightly closed. Store in a cool and dark place.   |
|  | Store under inert gas. Protect from moisture. Store locked up.   |
|  | Store away from incompatible materials such as oxidizing agents.   |
| Packaging material:  | Moisture-sensitive<br>Comply with laws.  |
|  |  |
| 8. EXPOSURE CONTROLS / PERSC   | DNAL PROTECTION  |
| Appropriate engineering controls:  | Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed   |
| ·  | system or local exhaust. Also install safety shower and eye bath.  |
| Personal protective equipment  |  |
| Respiratory protection:  | Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators   |
|  |  |
| Hand protection:   | approved under appropriate government standards and follow local and national regulations.<br>Impervious gloves.   |

Safety goggles. A face-shield, if the situation requires.

Impervious protective clothing. Protective boots, if the situation requires.

## **TCI AMERICA**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical state (20°C):<br>Form:<br>Colour:<br>Odour:<br>Odor threshold:<br>Odour threshold: | Solid<br>Crystal - Powder<br>White - Almost white<br>No data available<br>No data available<br>No data available |  |                    |
|---|--|--|--------------------|
| Melting point/freezing point:   | 230°C (446°F)  | pH:  | No data available  |
| Boiling point/range:  | No data available  | Vapour pressure:   | No data available. |
| Decomposition temperature:  | No data available  | Vapour density:  | No data available  |
| Relative density:   | No data available  | Dynamic Viscosity:   | No data available  |
| Kinematic viscosity:  | No data available  |  |                    |
| Log Pow:  | No data available  | Evaporation rate(Butyl<br>Acetate=1):                          | No data available  |
| Flash point:<br>Flammability(solid, gas):   | No data available<br>No data available   | Autoignition temperature:<br>Flammability or explosive limits: | No data available  |
|   |  | Lower:   | No data available  |
|   |  | Upper:   | No data available  |
| Solubility(ies):<br>[Water]<br>[Other solvents]   | No data available<br>No data available   |  |                    |

# 10. STABILITY AND REACTIVITY

Reactivity: Chemical stability: Possibility of hazardous reactions: Incompatible materials: Hazardous decomposition products: No data available Stable under proper conditions. No special reactivity has been reported. Oxidizing agents Carbon dioxide, Carbon monoxide, Hydrogen bromide

No data available

OSHA:

No data available

# 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available

#### Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

**Respiratory or skin sensitization:** No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

IARC: No data available

Reproductive toxicity: No data available

Target organ(s):

No data available

NTP:

# 12. ECOLOGICAL INFORMATION

| 13. DISPOSAL CONSIDERATIONS<br>Disposal of product: | Recycle to process if possible. It is the generator's responsibility to comply with Federal. State and |
|---|--|
| Henry's Law (PaM ³/mol):                            | No data available  |
| Soil adsorption (Koc):                              | No data available  |
| Log Pow:  | No data available  |
| Mobility in soil                                    |  |
| Bioaccumulative potential(BCF):                     | No data available  |
| Persistence / degradability:                        | No data available  |
| Algae:  | No data available  |
| Crustacea:  | No data available  |
| Fish:   | No data available  |
| Ecotoxicity:  |  |

| Disposal of product:   | Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance |
|------------------------|---|
|                        | with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.   |
| Disposal of container: | Dispose of as unused product. Do not re-use empty containers.   |
| Other considerations:  | Observe all federal, state and local regulations when disposing of the substance.   |

# 14. TRANSPORT INFORMATION

| <u>DOT (US)</u><br>UN number:<br>UN3261 | Proper Shipping Name:<br>Corrosive solid, acidic, organic, n.o.s        | Class or Division:<br>8 Corrosive material        | Packing Group:<br>    |
|---|---|---|-----------------------|
| <u>IATA</u><br>UN number:<br>UN3261     | Proper Shipping Name:<br>Corrosive solid, acidic, organic, n.o.s        | <b>Class or Division:</b><br>8 Corrosive material | Packing Group:<br>III |
| IMDG<br>UN UN3261<br>numb<br>er:        | <b>Proper Shipping Name:</b><br>Corrosive solid, acidic, organic, n.o.s | Class or Division:<br>8 Corrosive material        | Packing Group:<br>    |

2 0

2

## EmS number:

F-A, S-B

# 15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.): This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

## US Federal Regulations

|                                       | ous substance and Re | portable Quantity: |                          |
|---------------------------------------|----------------------|--------------------|--------------------------|
| SARA 313:                             |                      | Not Listed         |                          |
| SARA 302:                             |                      | Not Listed         |                          |
| State Regulation<br>State Right-to-Kr |                      |                    |                          |
| Massachuse                            | tts                  | Not Listed         |                          |
| New Jersey                            |                      | Not Listed         |                          |
| Pennsylvania                          | a                    | Not Listed         |                          |
| California Propos                     | sition 65:           | Not Listed         |                          |
| Other Information                     | <u>1</u>             |                    |                          |
| NFPA Rating:                          |                      |                    | HMIS Classification:     |
|                                       |                      |                    |                          |
| Health:                               | 2                    |                    | Health:                  |
| Health:<br>Flammability:              | 2<br>0               |                    | Health:<br>Flammability: |
|                                       | -                    |                    |                          |

## 16. OTHER INFORMATION

#### Revision date: 07/06/2018 Revision number: 1

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.