

Safety Data Sheet (United States)

4-(Carboxymethyl)phenylboronic acid pinacol ester

1. Identification

Product name: 4-(Carboxymethyl)phenylboronic acid pinacol ester
Catalog#: X2268
IUPAC name: 2-[4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]acetic acid
Product use restrictions: Only for research and development use by, or directly under the supervision of, a technically qualified individual.
Company: AK Scientific, Inc.
30023 Ahern Ave.
Union City, CA 94587
Telephone: (510) 429-8835
Fax: (510) 429-8836
Website: www.aksci.com
Emergency contact number: 1-800-633-8253 United States & Canada
1-801-629-0667 International

2. Hazard Identification:**GHS Classification (United States)**

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3), Respiratory system

Pictogram(s)**Signal word:**

Warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center or doctor if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS:

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container when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition.

8. Exposure Controls/Personal Protection**Exposure limits:**

OSHA PEL: Not available.
 NIOSH REL: Not available.
 ACGIH TLV: Not available.

Appropriate engineering controls: Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate general and local exhaust ventilation to keep airborne concentrations low.

Personal protection

Eyes: Based on an evaluation of the eye or face hazards present, wear chemical splash-resistant safety glasses or goggles with side protection. A face shield may be appropriate in some workplaces. Use eyewear tested and approved under appropriate government standards such as OSHA 29 CFR 1910.133 or EU EN166.

Hands: Wear gloves selected based on an evaluation of the possible hazards to hands and skin, the duration of use, the physical conditions of the workplace, and the chemical resistance and physical properties of the glove material.

Skin and body: Protective clothing must be selected based on the hazards present in the workplace, the physical environment, the duration of exposure, and other factors. No fabric can provide protection against all potential hazards; therefore it is important to select the appropriate protective clothing for each specific hazard. At the minimum, wear a laboratory coat and close-toed footwear.

Respiratory: Respirators are not a substitute for accepted engineering control measures such as enclosure or confinement of the operation, general and local ventilation, and substitution of less toxic materials. When respiratory personal protective equipment is appropriate based on an assessment of respiratory hazards in the workplace, use a NIOSH- or CEN-certified respirator.

9. Physical and Chemical Properties

Physical State: White to off-white powder or crystalline powder
 Molecular Formula: C₁₄H₁₉BO₄
 Molecular Weight: 262.11
 Odor: Not available.
 pH: Not available.
 Boiling Point Range: Not available.
 Freezing/Melting Point: 165-170°C
 Flash Point: Not available.
 Evaporation Rate: Not available.
 Flammability(solid,gas): Please see section 2.
 Explosive limits: Not available.
 Vapor Pressure: Not available.
 Vapor Density: Not available.
 Solubility: Not available.
 Relative Density: Not available.
 Refractive Index: Not available.
 Volatility: Not available.
 Auto-ignition Temperature: Not available.
 Decomposition Temperature: Not available.
 Partition Coefficient: Not available.

10. Stability and Reactivity

15. Regulatory Information

TSCA (United States)

This product is NOT on the EPA Toxic Substance Control Act (TSCA) inventory. The product is supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR § 720 et seq. The health risks have not been fully determined. Any information that is or becomes available will be supplied on the SDS.

California Proposition 65:

Not Available..

NFPA Rating:

Health:

Not available.

Flammability:

Not available.

Instability:

Not available.

16. Additional Information

Revision Date: 02/25/2019

Printed Date: 02/14/2020

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall AK Scientific be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if AK Scientific has been advised of the possibility of such damages.