

**Safety Data Sheet** (United States)

1-Methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-1,2,3-triazole

**1. Identification**

Product name: 1-Methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-1H-1,2,3-triazole  
Catalog#: 2081DW  
IUPAC name: 1-methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)triazole  
Product use: Only for research and development use by, or directly under the supervision of, a  
restrictions: 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: 1-800-633-8253 United States & Canada  
number: 1-801-629-0667 International

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

Acute Tox. (category 4)  
Skin Irrit. (category 2)  
Eye Irrit. (category 2A)  
STOT SE (category 3)

**Pictogram(s)****Signal word:**

Warning

**Hazard statement(s)**

H302	Harmful if swallowed.
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.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a poison center or doctor if you feel unwell.
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).
P330	Rinse mouth.
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.

## 1-Methyl-4-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-YL)-1H-1,2,3-triazole

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

### 3.Composition/Information on Ingredients

EC: Not available.

**Indication of any immediate medical attention and special treatment needed:** No further information available.

**Advice for firefighters:** As in any fire, wear a NIOSH-approved or equivalent, pressure-demand, self-contained breathing apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Methods and materials for containment and cleaning up:** Prevent further leak or spill if safe to do so. Vacuum, sweep up, or absorb with inert material and place into a suitable disposal container. Consult local regulations for disposal. See section 13 for further disposal information.

**Precautions for safe handling:** Avoid contact with skin, eyes, and personal clothing. Wash hands

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thoroughly after handling. Avoid breathing fumes. Use only with adequate ventilation. Wear suitable protective clothing, gloves, and eye/face protection. Keep away from sources of ignition. Minimize dust generation and accumulation. Keep container tightly closed. Open and handle container with care. Do not eat, drink, or smoke while handling.

**Conditions for safe storage, including any incompatibilities:** Store in a tightly-closed container when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. ,Store long-term in a cool, dry place.

**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: Not Available.  
 Hands: Not Available.  
 Skin and body: Not Available.  
 Respiratory: Not Available.

**9. Physical and Chemical Properties**

Physical State: Not available.  
 Molecular Formula: C<sub>9</sub>H<sub>16</sub>BN<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 209.06  
 Odor: Not available.  
 pH: Not available.  
 Boiling Point Range: Not available.  
 Freezing/Melting Point: Not available.  
 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**

Reactivity: Not available.  
 Chemical stability: Stable under recommended temperatures and pressures.  
 Possibility of hazardous reactions: Not available.  
 Conditions to avoid: Dust generation.  
 Incompatible materials: Strong oxidizing agents.  
 Hazardous decomposition products: Carbon oxides, Boron oxides, Nitrogen oxides.

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**11. Toxicological Information**

RTECS#	Not available.
Acute toxicity:	Not available.
Routes of exposure:	Inhalation, eye contact, skin contact, ingestion.
Symptoms related to the physical, chemical and toxicological characteristics:	Skin contact may result in inflammation characterized by itching, scaling, reddening, blistering, pain or dryness. Eye contact may result in redness, pain or severe eye damage. Inhalation may cause irritation of the lungs and respiratory system. Overexposure may result in serious illness or death.

**Carcinogenicity**

IARC:	Not classified.
NTP:	Not listed.
OSHA:	Not Available..
Acute toxic effects:	Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**12. Ecological Information**

Ecotoxicity:	Not available.
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Other adverse effects:	Not available.

**13. Disposal Considerations**

Disposal of waste:	Not listed
Disposal of packaging:	Not listed

**14. Transportation Information****DOT (United States)**

UN number:	Not hazmat
Proper shipping name:	Not available.
Transport hazard class:	Not available.
Packing group:	Not available.

**IATA**

UN Number:	Not DG
Proper shipping name:	Not available.
Transport hazard class:	Not available.
Packing group:	Not available.

**15. Regulatory Information****TSCA (United States)**

Not Available.

California Proposition 65:	Not Available..	
NFPA Rating:	Health:	Not available.
	Flammability:	Not available.
	Instability:	Not available.

**16. Additional Information**

Revision Date: 04/25/2022

Printed Date: 04/29/2022

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