

Safety Data Sheet (United States)

Dimethyl 2,2'-(methylenedisulfonyl)diacetate

1. Identification

Product name: Dimethyl 2,2'-(methylenedisulfonyl)diacetate
Catalog#: 0102CC
IUPAC name: methyl 2-[(2-methoxy-2-oxoethyl)sulfonylmethylsulfonyl]acetate
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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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: C7H12O8S2
 Molecular Weight: 288.3
 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, Sulfur oxides.

11. Toxicological Information

RTECS# Not available.
 Acute toxicity: Not available.
 Routes of exposure: Inhalation,eye contact,skin contact,ingestion.

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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 hazardous material.
Proper shipping name:	Not available.
Transport hazard class:	Not available.
Packing group:	Not available.

IATA

UN Number:	Not dangerous good.
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: 03/06/2022

Printed Date: 03/11/2022

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