



## THE ANDERSONS MESO 4SC

### SAFETY DATA SHEET

CURRENT AS OF: 10/18/24

#### SECTION 1: PRODUCT / SUPPLIER IDENTIFICATION

PRODUCT CODE: 10009902

PRODUCT NAME: THE ANDERSONS MESO 4SC

PRODUCT USE: Herbicide

MFR INFO: The Andersons, Inc.  
PO Box 119  
Maumee, OH 43537

FOR EMERGENCY: (800) 757-8951

FOR INFORMATION: (419) 893-5050

#### SECTION 2: HAZARDS IDENTIFICATION

HAZARD SYMBOL:



SIGNAL WORD: *WARNING*

HAZARD STATEMENT: *HARMFUL IF INHALED*

**HAZARD CLASSIFICATIONS**  
*ACUTE TOXICITY, INHALATION*

**CATEGORY**  
4

**INTERPRETATION**  
Harmful if inhaled

#### **PRECAUTIONARY STATEMENTS:**

- *IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION*
- *WEAR PROTECTIVE GLOVES AND CLOTHING*
- *REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE*
- *DO NOT BREATHE VAPORS/MISTS*
- *IF INHALED: MOVE TO FRESH AIR AND KEEP COMFORTABLE. SEEK MEDICAL ATTENTION IF UNWELL*
- *USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA*
- *CALL POISON CONTROL OR SEEK MEDICAL ATTENTION IF YOU FEEL UNWELL*
- *WASH THOROUGHLY AFTER HANDLING*
- *DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT*
- *IF SWALLOWED: RINSE MOUTH AND SEEK MEDICAL ATTENTION.*
- *IF IN EYES OR ON SKIN: RINSE AREA WITH PLENTY OF WATER, REMOVE CONTACT LENSES AND CONTINUE RINSING.*
- *IF EYE OR SKIN IRRITATION CONTINUES: SEEK MEDICAL ATTENTION*

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<u>CHEMICAL IDENTITY</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Mesotrione		104206-82-8	35-45
Ethylene Glycol		107-21-1	00-10
1,2-Benzisothiazol-3(2H)-one		2634-33-5	< 1
Phosphoric Acid		7664-38-2	< 1
Proprietary Ingredients			> 45

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4: FIRST AID MEASURES**

IF INHALED:	Move to fresh air and keep comfortable, seek medical attention if unwell.
IF ON SKIN:	Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
IF IN THE EYES:	Immediately flush with water for 15-20 minutes, remove contact lenses if present and easy to do – continue rinsing and seek medical attention if irritation persists.
IF SWALLOWED:	Rinse mouth. DO NOT INDUCE VOMITING unless directed by a medical professional. Call POISON CONTROL and seek medical attention if unwell.
SPECIAL TREATMENT:	None known
HEALTH HAZARDS:	See Section 11

**SECTION 5: FIREFIGHTING MEASURES**

EXTINGUISHING MEDIA:	Use media suitable for surrounding fire. No special media required. CAUTION: Use of water spray when fighting fire may be inefficient on Large Fire.
UNSUITABLE EXTINGUISHING MEDIA:	Do not scatter spilled material with high pressure water streams.
SPECIFIC FIRE HAZARDS:	When heated to decomposition, this product will emit toxic oxides/fumes.
SPECIAL FIREFIGHTING PROCEDURES:	Wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

SPILL / RELEASE PROCEDURES:	Contain material and place in containers for use as intended, or discard according to Federal, State and Local regulations.
ENVIRONMENTAL PRECAUTIONS:	Prevent spilled material from entering storm drains or water bodies. If material enters a waterway, notify the appropriate authorities.
PROTECTIVE EQUIPMENT:	Wear PPE according to Section 8

**SECTION 7: HANDLING AND STORAGE**

Wash hands after handling material. Do not eat, drink or smoke while handling the material. Do not breathe vapors/mists. Not intended for human consumption. Do not store with food or feedstuffs. Store in a cool, dry, well-ventilated area away from incompatible materials.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS:

The following constituents are the only constituents of the product, which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Ethylene Glycol 107-21-1	STEL: 50 ppm vapor fraction STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	-
Phosphoric Acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup> (vacated) STEL: 3 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved respirator, if required

EYE PROTECTION: Safety glasses with sideshields, goggles, or faceshield

SKIN PROTECTION: Appropriate for the task. Impervious and compatible with material

VENTILATION: Use with adequate ventilation

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Beige solution with faint odor

pH: ~ 2.60

MELTING POINT: Not applicable

BOILING POINT: Not available

FLASH POINT: > 200 F

EVAPORATION RATE: Not available

FLAMMABLE LIMITS: Not applicable

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not available

SPECIFIC GRAVITY: ~ 1.199

SOLUBILITY (IN WATER): Soluble

PARTITION COEFFICIENT: Not available

AUTOIGNITION TEMP: Not available

DECOMPOSITION TEMP: Not available

ODOR THRESHOLD: Not available

VISCOSITY: Not available

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Product is stable.  
CONDITIONS TO AVOID: Excessive Heat  
INCOMPATIBILITY: Strong acids, bases, and oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic oxides/fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

HEALTH EFFECTS: Harmful if inhaled.  
CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: > 2,000 mg/kg (mesotrione) – 4,700 mg/kg (ethylene glycol)  
DERMAL: > 2,000 mg/kg (mesotrione)

**SECTION 12: ECOLOGICAL INFORMATION**

Very toxic to aquatic life with long lasting effects. Long-term degradation products may arise. Products of degradation are not expected to be hazardous.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Use product for intended purpose where possible. Dispose of in accordance with all national, regional / state, and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated as a transportation hazard.

**SECTION 15: REGULATORY INFORMATION**

**US FEDERAL REGULATIONS**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
SARA 304: This material does not contain any components with a section 304 EHS RQ.  
SARA 311 / 312: Acute Health Hazard  
SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

CHEMICAL NAME	CAS No.	% BY WEIGHT
Ethylene Glycol	107-21-1	8.00

CERCLA (RQ):	CHEMICAL NAME	CAS No.	REPORTABLE QTY (lbs)
	Ethylene Glycol	107-21-1	5,000 lbs.
	Phosphoric Acid	7664-38-2	5,000 lbs.

