

MATERIAL SAFETY DATA SHEET

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SECTION I – GENERAL INFORMATION

TRADE NAME	MSMA 6 PLUS
CHEMICAL NAME	Monosodium Acid Methanearsonate
CHEMICAL FAMILY	Organic Arsenical (Herbicide)
EPA REG. NO.	19713-42
SIGNAL WORD	CAUTION

SECTION II – INGREDIENTS (Class = H (Hazardous), NH (Non-Hazardous))

<u>NAME</u>	<u>CAS NO.</u>	<u>% (by wt.)</u>	<u>TLV</u>	<u>CLASS</u>
Monosodium acid methanearsonate	2163-80-6	47.60	0.5 mg/m ³ H	
Inerts	N/A	52.40	N/A	NH

SECTION III – PHYSICAL DATA

<u>Boiling Point</u>	220°F	<u>Specific Gravity</u>	1.51 gm/ml
<u>Vapor Pressure</u>	15 mmHg	<u>% Volatiles</u>	Approx. 45%
<u>Vapor Density</u>	0.6	<u>Solubility in Water</u>	Complete
<u>pH</u>	6-7	<u>Appearance/Odor</u>	Light Green solution, slight odor

SECTION IV – FIRE & EXPLOSION DATA

Flash Point	Non-Combustible (Aqueous Formulation)
Extinguishing Media	Dry chemical or CO ₂ . Water or foam should be discouraged to prevent spreading of material.
Fire Fighting Procedures	Wear self-contained breathing apparatus in confined areas. Stay upwind. Avoid runoff if possible.

SECTION V – REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Do not store or use in aluminum equipment.
Incompatibility	Heavy metal salts may precipitate compound
Hazardous Decomposition Products	Reducing agents may release arsine gas.
Hazardous Polymerization	Will not occur

SECTION VI – HEALTH HAZARD DATA

Carcinogenicity	N/A
Toxicity Data	Oral LD50 (Rat) = 2,833 mg/kg Dermal LD50 (Rabbit) = 2,500 mg/kg
TLV	0.5 mg/m ³
N.F.P.A.	Health: 3, Fire: 0, Reactivity: 0 (Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)
Effects of Overexposure	Burning of throat, colicky stomach, muscle pains. Garlic odor of breath or skin. Avoid ingestion.

SECTION VII – EMERGENCY PROCEDURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person or convulsing person.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION VIII- SPILL OR LEAK PROCEDURES

Steps to be taken in case of material leak or spill
Mop up spills on hard surfaces and transfer to original container. Keep children and animals from spill area until decontaminated. Assure protective clothing is worn.

Waste Disposal Method
Dispose of in accordance with Local, State, and Federal Regulations.

SECTION IX – SPECIAL PROTECTION INFORMATION

Respiratory Protection	NIOSH approved pesticide mist respirator
Ventilation	Normal
Protective Gloves	Chemical-resistant
Eye Protection	Chemgoggles
Other	Long-sleeved shirt, long pants, chemical-resistant footwear plus socks, chemical-resistant apron.

SECTION X – SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storage
KEEP OUT OF REACH OF CHILDREN. FOLLOW LABEL DIRECTIONS CAREFULLY.

Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Do not contaminate feed and foodstuffs.

D.O.T. Description	Non-Regulated
Freight Description	Agricultural Herbicide, Liquid, N.O.S.
Reportable Quantity	N/A
E. R. G. Guide Sheet	151

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