MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: Target® 6.6
Pesticide Class: Herbicide, arsentic
General Use: Herbicide
EPA Registration: 42519-1
Synonyms: Monosodium methanearsonate (MSMA)

2. COMPOSITION / INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT
Chemical Name: Monosodium methanearsonate
Chemical Family: Organo-arsenic compounds
Formula: CH₄AsO₃Na
Molecular Weight: 161.94
Component wt.% CAS Registry
Monosodium methanearsonate 51 2163-80-6

3. PHYSICAL DATA

Appearance: Clear liquid; light yellow
Odor: None
Density: 1.55 g/ml
Melting Point: Not Applicable
Boiling Point: 107-120°C
Freezing Point: -25 - -15°C
Solubility in Water (% by Wt.): 58.3% w/w at 25°C
pH: 5.5 - 6.0
Vapor Pressure: Not Available
Vapor Density (Air=1): 0.6
Evaporation Rate (n-BuAc = 1): Ca. 0.7

4. FIRE AND EXPLOSION DATA

Flashpoint and Method: Not Combustible
Flammable Limits: Not Applicable
Autoignition Temperature: Not Combustible
Extinguishing Media: Dry chemical or Carbon Dioxide (CO₂)
. Do not use water or foam, as this may spread product.
Special Fire Fighting Procedures: Fire fighting personnel must wear pressure-demand, self contained breathing apparatus (SCBA) for all indoor fires and significant outdoor fires.
Unusual Fire and Explosion Hazard: Toxic fumes may be generated in fire situations.
See NFPA rating on section 10

5. HEALTH HAZARD INFORMATION

Acute Toxicological Data:
Oral Toxicity (LD₅₀): 2833 mg/kg (rat)
Dermal Toxicity (LD₅₀): >2000 mg/kg (rabbit)
Inhalation (4-hour LC₅₀): 2.20 mg/L (rat)
Eye Irritation: Not a primary irritant
Skin Irritation: Not a primary irritant
Dermal Sensitization: Not a contact sensitizer

Potential Health Effects:

Inhalation: May be irritating to the respiratory tract and mucous membranes.
Skin: Mildly irritating with repeated or prolonged contact. Not readily absorbed through unbroken skin.
Eyes: May cause slight irritation, and conjunctivitis (inflammation if the inner surface of the eye lids), which may persist for several days unless eyes are promptly flushed with water.
Ingestion: Slightly toxic. Breath may have garlic odor. Toxic doses may cause burning of the throat, stomach pain, headache, dizziness, stupor, vomiting, diarrhea, convulsions, paralysis and/or death.
Chronic Effects: Persistent irritation, salty taste in mouth, burning sensation in throat, stomach pains.

Emergency First Aid Procedures: Call a physician immediately in all cases of suspected poisoning.

Inhalation: Remove victim from exposure by moving to an area of fresh air. If breathing is difficult or absent, send for immediate medical attention. If breathing has stopped, artificial respiration should be started by qualified personnel. Oxygen may be administered by qualified personnel.
Ingestion: If conscious, ensure airway is clear, then have victim drink several glasses of water and induce vomiting by sticking fingers in back of throat. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.
Eyes: Immediately flush with water for at least 15 minutes, hold eyelids open to ensure adequate flushing of the entire eye. If irritation or discomfort develops, seek medical attention.
Skin: Wash affected area with soap and water. If irritation or discomfort develops, seek medical attention.
Notes to Physician:
If ingested, gastric lavage may be indicated. Literature recommendations for arsenic poisoning calls for chelation therapy with BAL or d-penicillamine. Persons with a sensitivity to penicillins may suffer an allergic reaction. BAL is recommended for persons allergic to penicillin.

9. SPECIAL PRECAUTIONS
Precautionary Labeling: Keep out of reach of children.

Storage and Disposal: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product must be disposed of in accordance with local, state, or federal regulations. Do not reuse empty container. If container is offered for recycling or reconditioning it must be triple rinsed or cleaned with an equal process. If offered for sanitary landfill, triple rinse and puncture container or by other procedures approved by local, state, or federal authorities.

10. ADDITIONAL INFORMATION

ENVIRONMENTAL HAZARDS
Keep children and domestic animals off treated areas until the product has been washed into the soil. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate waters used for domestic purposes, or by wildlife, including aquatic life, or for irrigation. Do not feed treated foliage to livestock or allow grazing of treated areas. Do not spray or allow to drift onto vegetables, ornaments or other desirable plants. Do not apply when conditions may cause product to drift from application area.

EPA
HANDLER REQUIREMENTS
Worker Protection Standard 40 CFR 170
SARA TITLE III
313 Inventory Ingredients: arsenic compounds (23.6%)
312 Hazards Classification: Not Applicable
(The toxicity of the organic arsenical used in this product is lower than that of inorganic arsenic compounds)

NFPA RATING
Health: 1 Fire: 0 Reactivity: 0

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)

<table>
<thead>
<tr>
<th>Exposure Limits (8 hour TWA)</th>
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<tbody>
<tr>
<td>OSHA - PEL</td>
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<tr>
<td>Target® 6.6</td>
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<tr>
<td>Arsenic, Inorganic</td>
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NOT LISTED AS A CARCINOGEN BY:
IARC, NTP, OSHA, California (Prop 65)

TRANSPORTATION INFORMATION
Transportation classification
IATA (air): Not-Regulated
IMO (Water): Not-Regulated
DOT (Land): Not-Regulated
DOT Shipping Name: Not Applicable
Freight Classification: Herbicide, n.o.i., Liquid