

MATERIAL SAFETY DATA SHEET

TURF MAX MSMA 6+

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EPA REGISTRATION NUMBER 42750-29-72112

EFFECTIVE DATE: April 13, 2005

DATE REVISED: NA

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I. INGREDIENTS:

	ACGIH TLV MG/M ³ ARSENIC	OSHA TWA MG/M ³ ARSENIC
MONOSODIUM ACID METHANEARSENATE*		
*MSMA (CAS NO. 2163-80-6)47.8 %	0.2	0.5

II. PHYSICAL DATA:

BOILING POINT: < 100° C
MELTING POINT: NA
VAPOR PRESSURE: NOT DETERMINED.
VAPOR DENSITY: NOT DETERMINED.
SOLUBILITY IN WATER: MISCIBLE.
SPECIFIC GRAVITY: 1.508
APPEARANCE: CLEAR, LIGHT YELLOW LIQUID.
ODOR: ODORLESS.

III. FIRE AND EXPLOSION DATA

FLASH POINT: NOT APPLICABLE.
AUTOIGNITION TEMPERATURE: NOT DETERMINED.
FLAMMABLE LIMITS: NOT DETERMINED.
EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL.
NFPA CLASSIFICATION: HEALTH=2, FIRE=0, REACTIVITY=0
[0=LEAST, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=SEVERE]

IV. REACTIVITY DATA:

STABILITY: STABLE UNDER NORMAL CONDITIONS.
CONDITIONS TO AVOID: FREEZING CONDITIONS.
MATERIALS TO AVOID: ALUMINUM AND GALVANIZED STORAGE OR SPRAY EQUIPMENT.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
HAZARDOUS DECOMPOSITION: NOXIOUS FUMES MAY BE EMITTED UNDER FIRE CONDITIONS.

V. ENVIRONMENTAL AND DISPOSAL INFORMATION:

USE ABSORBANT MATERIAL TO CONTAIN SPILLS. PLACE CONTAMINATED ABSORBANT IN DRUMS AND DISPOSE OF AT AN EPA APPROVED TREATMENT, STORAGE, DISPOSAL FACILITY. EMPTY CONTAINERS SHOULD BE TRIPLE RINSED AND DISPOSED OF PROPERLY. LARGE SPILLS SHOULD BE REPORTED IMMEDIATELY TO CHEMTREC (800-424-9300) AND TO ALBAUGH, INC.

RCRA HAZARDOUS WASTE CODES: D004, ARSENIC.
CERCLA REPORTABLE QUANTITY: NOT LISTED.

VI. HEALTH HAZARD DATA

ROUTES OF ENTRY: INGESTION (PRIMARY).

INHALATION: PROLONGED OR REPEATED EXPOSURE TO MISTS OR VAPORS MAY CAUSE RESPIRATORY IRRITATION. ACUTE INHALATION (4HR) = >20.8 MG/L.

SKIN CONTACT: SLIGHT IRRITANT (RABBIT). PROLONGED OR REPEATED EXPOSURE MAY CAUSE IRRITATION. ACUTE DERMAL LD₅₀ (RABBIT) = 2.5 G/KG.

EYE CONTACT: NOT A PRIMARY IRRITANT (RABBIT). PROLONGED EXPOSURE TO MISTS MAY CAUSE IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWD. SYMPTOMS OF ARSENIC POISONING INCLUDE COLIC, BURNING ABDOMINAL PAIN, VOMITING, AND WATERY OR BLOODY DIARRHEA. REPEATED INTAKES LESS THAN THOSE NECESSARY TO PRODUCE SEVERE ACUTE SYMPTOMS ARE KNOWN TO CAUSE CHRONIC HEADACHE, ABDOMINAL DISTRESS, SALIVATION, LOW GRADE FEVER, AND PERSISTANT SYMPTOMS OF UPPER RESPIRATORY IRRITATION. ACUTE ORAL LD₅₀ (RAT) = 1.7 G/KG.

CARCINOGENICITY: NOT LISTED BY NRC OR OSHA. LISTED AS A CARCINOGEN BY IRAC.

EFFECTS OF OVEREXPOSURE: LOCAL IRRITATION OF THE SKIN, EYES, OR RESPIRATORY TRACT. PROLONGED LOW INTAKES CAUSES PERIPHERAL NEUROPATHY (PAIN, ANESTHESIA), ENCEPHALOPATHY (APATHY, DISORIENTATION), DERMATOLOGICAL DISORDERS (EXZEMA, BRITTLE NAILS, LOSS OF HAIR), TOXIC HEPATITIS, AND BONE MARROW INJURY.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: EXPOSURE TO SKIN MAY AGGRAVATE PREEXISTING SKIN CONDITIONS.

VII. FIRST AID

EYES: HOLD EYES OPEN AND FLUSH WITH LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION.

SKIN: WASH AFFECTED AREAS WITH SOAP AND LARGE QUANTITIES OF WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION: REMOVE VICTIM TO FRESH AIR. ADMINISTER ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

INGESTION: IF VICTIM IS CONSCIOUS, ALERT, AND NOT CONVULSING, GIVE 1-2 GLASSES OF WATER AND INDUCE VOMITING. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

VIII. HANDLING PRECAUTIONS

VENTILLATION: USE LOCAL EXHAUST. USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR TO PROTECT FROM BREATHING MISTS OR VAPORS.

PROTECTIVE CLOTHING: WEAR CHEMICAL RESISTANT GLOVES, COVERALLS, APRON, AND FOOT COVERINGS.

EYE PROTECTION: WEAR CHEMICAL GOGGLES WITH FACE SHIELD.

ADDITIONAL PRECAUTIONS: A SAFETY SHOWER AND EYE WASH SHOULD BE READILY ACCESSABLE.

IX. SARA TITLE III NOTIFICATION AND INFORMATION:

SARA TITLE III HAZARD CLASSES: ACUTE HEALTH=YES, CHRONIC HEALTH=YES,
FIRE=NO, SUDDEN PRESSURE=NO, REACTIVE=NO.

THIS PRODUCT DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SEC. 313 AND 40 CFR PART 372.

X. ADDITIONAL INFORMATION:

STORE IN A COOL, DRY, SECURE AREA. DO NOT STORE NEAR FOOD OR WITHIN THE REACH OF CHILDREN. DO NOT STORE NEAR HEAT OR OPEN FLAME.

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