

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-216/2163-80-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

2163-80-6

Code:

M

RTECS:

PA2625000

Code:

M

Name:

MONOSODIUM ACID METHANEARSONATE 1

Other REC Limits:

N/R

OSHA PEL:

0.5 MG/CUM (AS)

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

N/R

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NIOSH APPROVED DUST & MIST RESPIRATORS SHOULD BE EMPLOYED.

Ventilation:

WORK UPWIND WHEN OUTSIDE. INDOOR WORK AREAS SHOULD BE CONTAMINATED/PROVIDE ADEQUATE LOCAL EXHAUST VENTILATION TO KEEP

Protective Gloves:

IMPERVIOUS

Eye Protection:

GOGGLES, FACESHIELD

Other Protective Equipment:

Equipment LONG SLEEVE SHIRT & PANTS. BOOTS, APRON, SAFETY SHOWERS & EYEWASH STATIONS.

Work Hygienic Practices:

WASH W/SOAP & WATER.

Supplemental Safety and Health:

FLAGMEN SHOULD BE FULLY PROTECTED DURING SPRAY OPERATIONS. PILOTS SHOULD WEAR NIOSH-APPROVED MASK OR RESPIRATOR. 3

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT) 1.58 G/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: IRRITATING TO RESPIRATORY TRACT. MILD IRRITATION OF LUNGS, BUT RAPID RECOVERY. SKIN: MODERATELY IRRITATING. EYE: MINIMALLY IRRITATING. ALTHOUGH MSMA IS NON-IRRITATING TO CORNEA, MILD CONJUNCTIVAL IRRITATION MAY PERSIST IN UNWASHED EYES. INGESTION: SLIGHTLY TOXIC. PROBABLE LETHAL DOSE IS 1 OZ/1 PT LIQUID.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

INHALATION: IRRITATION, HEADACHE, DIZZINESS, STUPOR, VOMITING, DIARRHEA, CONVULSIONS, PARALYSIS/DEATH. IRRITATION TO RESPIRATORY TRACT & LUNGS. SKIN: IRRITATION. EYE: ALTHOUGH MSMA IS NON-IRRITATING TO CORNEA, MILD CONJUNCTIVAL IRRITATION MAY PERSIST IN UNWASHED EYES. INGESTION: SALTY TASTE, BURNING, THROAT/STOMACH.

Medical Cond Aggravated By Exposure:

THIS COMPOUND BINDS TO SULPHYDRYL GROUPS IN TISSUES. BAL HAS BEEN RECOMMENDED IN THE LIT. AS AN ANTIDOTE FOR POISONINGS. HOWEVER, THIS USE IS HIGHLY CONTROVERSIAL. GASTRIC LAVAGE MAY BE REQUIRED.

First Aid:

SEEK MED ATT. IN ALL CASES. EYE: FLUSH W/WATER FOR 15 MINS. SKIN: WASH AREA W/PLENTY OF SOAP & WATER. INHALATION: GET OUT OF CONTAMINATED AREA TO FRESH AIR. IF BREATHING SPED, ARTIFICIAL RESP. SHOULD BE STARTED. OXYGEN MAY BE ADMINISTERED. INGESTION: HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER THEN INDUCE VOMITING. KEEP AIRWAY CLEAR. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

Spill Release Procedures:

S LEAKS. DIKE & REMOVE W/VACUUM TRUCK. SOAK UP W/INERT ABSORBENT MATERIALS THEN PLACE IN CLOSED CONTAINERS/STORE IN SAFE PLACE OUT-OF-DOORS. FLUSH AREA W/LARGE AMOUNTS OF WATER. PERSONS SHOULD WEAR ADEQUATE PERSONAL PROTECTIVE EQUIP & CLOTHING.

Neutralizing Agent:

N/R

Waste Disposal Methods:

REUSE SPILL MATERIAL IF POSSIBLE, OTHERWISE DISPOSE IN ACCORDANCE W/FEDERAL, STATE & LOCAL HEALTH & POLLUTION REGULATIONS. TRIPLE RINSE CAN/RECYCLE/RECONDITION & DISPOSE IN SANITARY LANDFILL/ INCINERATION/BURNING IF ALLOWED.

Handling And Storage Precautions:

2 KEEP CHILDREN/ANIMALS OFF TREATED AREA. DON'T FEED TREATED FOLIAGE TO LIVESTOCK/GRAZE TREATED AREAS/SPRAY DRIFT ONTO VEGETABLES/PLANTS/ORNAMENTALS.

Other Precautions:

DON'T APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREA/CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL WASTES. OPEN DUMPING IS PROHIBITED. DON'T REUSE EMPTY CONTAINER. IF BURNED, STAY OUT OF SMOKE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/R

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

DRY CHEMICAL, CO₂. USE OF WATER OR FOAM IS DISCOURAGED TO PREVENT SPREADING OF MATERIAL.

Fire Fighting Procedures:

PRESSURE-DEMAND, SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN BY FIREFIGHTERS IN BUILDINGS OR CONFINED AREAS.

Unusual Fire/Explosion Hazard:

NOXIOUS FUMES MAY BE EMITTED UNDER FIRE CONDITIONS.

Physical/Chemical Properties

HCC:

NRC/State IC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

212F

Melt/Freeze Pt:

M.P./F.P. Text:

0F

Decomp Temp:

Decomp Text:

N/R

Vapor Pres:

Vapor Density:

N/R

Volatile Org Content %:

Spec Gravity:

1.51

VOC Pounds/Gallon:

pH:

5.5-6.

VOC Grams/Liter:

Viscosity:

N/R

Evaporation Rate & Reference:

N/R

100% Solubility in Water:

Appearance and Odor:

LIQUID; LIGHT YELLOW TO CLEAR; NO ODOR

Percent Volatiles by Volume:

60%

Corrosion Rate:

N/R

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

Materials To Avoid:

CONTACT W/ACIDS, NASCENT HYDROGEN & MANY METALS- ZN, AL, CU & SN. DON'T MIX W/OTHER SPRAY SOLUTION W/O LABEL CLEARANCE.

Hazardous Decomposition Products:

ARSENIC, PRESENCE OF ACIDS & METALS- AL, ZN, CU & SN CAN COMBINE W/NASCENT HYDROGEN TO FORM ARSINE GAS (POISONOUS GAS).

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

Other Information:

N/P

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