

SIGMA CHEMICAL CO -- MEFENAMIC ACID, M4267 -- 6505-00N093128

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Product Identification  
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Product ID:MEFENAMIC ACID, M4267  
MSDS Date:01/01/1999  
FSC:6505  
NIIN:00N093128  
Status Code:A  
MSDS Number: CJXLC  
=== Responsible Party ===  
Company Name:SIGMA CHEMICAL CO  
Box:14508  
City:ST LOUIS  
State:MO  
ZIP:63178  
Country:US  
Info Phone Num:314-771-5765  
Emergency Phone Num:314-771-5765  
CAGE:21076

=== Contractor Identification ===  
Company Name:SIGMA CHEMICAL COMPANY  
Address:3050 SPRUCE ST  
Box:14508  
City:ST LOUIS  
State:MO  
ZIP:63178  
Country:US  
Phone:314-771-5765  
CAGE:21076

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Composition/Information on Ingredients  
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Ingred Name:ANTHRANILIC ACID, N-(2,3-XYLYL)-; (MEFENAMIC ACID).  
LD50:(ORAL,RAT) 740 MG/KG.  
CAS:61-68-7  
RTECS #:CB4550000  
= Wt:100.

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Hazards Identification  
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LD50 LC50 Mixture:SEE INGREDIENTS & TOXICOLOGICAL INFO.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED, INHALED  
OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION. MAY CAUSE NERVOUS  
SYSTEM DISTURBANCES. EXPOSURE CAN CAUSE: GASTROINTESTINAL  
DISTURBANCES; BLOOD EFFECTS. CHRONIC: POSSIBLE TERATOGEN. MAY  
CAUSE REPRODUCTIVE DISORDERS. TARGET ORGAN(S): KIDNEYS. TARGET  
ORGAN DATA: PERIPHERAL NERVE AND SENSATION (FLACCID PARALYSIS  
WITHOUT ANESTHESIA). SENSE ORGANS AND SPECIAL SENSES (MYDRIASIS).  
BEHAVIORAL (ALTERED SLEEP TIME; SOMNOLENCE; TOXIC PSYCHOSIS;  
CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD; ATAXIA; WITHDRAWAL).  
LUNGS, THORAX OR RESPIRATION (RESPIRATORY STIMULATION). GAST  
ROINTESTINAL (CHANGES (EFTS OF OVEREXP)

Effects of Overexposure:HLTH HAZ: IN STRUCTURE OR FUNCTION OF EXOCRINE PANCREAS; ULCERATION OR BLEEDING FROM LARGE INTESTINE; HYPERMOTILITY, DIARRHEA). LIVER (LIVER FUNCTION TESTS IMPAIRED). KIDNEY, URETER, BLADDER (CHANGES IN TUBULES). BLOOD (OTHER HEMOLYSIS WITH OR WITHOUT ANEMIA). SKIN AND APPENDAGES (AFTER SYSTEMIC EXPOSURE: DERMATITIS, OTHER). MATERNAL EFFECTS (MENSTRUAL CYCLE CHANGES OR DISORDERS). SPECIFIC DEVELOPMENTAL ABNORMALITIES (CRANIOFACIAL; CARDIOVASCULAR SYSTEM). NUTRITIONAL AND GROSS METABOLIC (CHANGES IN: K; BODY TEMPERATURE INCREASE; OTHER CHANGES). TUMORIGENIC (ACTIVE AS ANTI-CANCER AGENT).

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===== First Aid Measures =====

First Aid:INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL MD. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL MD. INHALATION: REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL MD. EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL MD.

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===== Fire Fighting Measures =====

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR NIOSH APPROVED RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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===== Handling and Storage =====

Handling and Storage Precautions:HARMFUL. HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. DO NOT BREATHE DUST.  
Other Precautions:POSSIBLE RISK OF IRREVERSIBLE EFFECTS. POSSIBLE TERATOGEN. REPRODUCTIVE HAZARD. NEUROLOGICAL HAZARD.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR APPROPRIATE NIOSH APPROVED RESPIRATOR.  
Ventilation:MECHANICAL EXHAUST REQUIRED.  
Protective Gloves:CHEMICAL-RESISTANT GLOVES.  
Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:ANSI APPROVED EMERGENCY EYE WASH AND DELUGE SHOWER . WEAR SUITABLE OTHER PROTECTIVE CLOTHING.  
Supplemental Safety and Health  
MSDS INFORMATION ON INGREDIENTS: MF: C15H15NO2. EC NO: 200-513-1. --  
PHYSICAL AND CHEMICAL PROPERTIES: SOLUBILITY: IN AMMONIUM - SOLUBLE.

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Physical/Chemical Properties  
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Solubility in Water: SUPP DATA  
Appearance and Odor: SOLID.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid: YES  
Hazardous Decomposition Products: TOXIC FUMES OF: CARBON MONOXIDE,  
CARBON DIOXIDE, NITROGEN OXIDES.  
Conditions to Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information  
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Toxicological Information: TOXICITY DATA: LDLO: (ORAL, WMN) 280 MG/KG/2W-I  
- DRSAEA 6,230,1991. LD50: (ORAL, RAT) 740 MG/KG - TOIZAG 28,99,1981.  
LD50: (IPR, RAT) 327 MG/KG - TXAPA9 18,185,1971. LD50: (IVN, RAT) 112  
MG/KG; LD50: (IVN, CAT) 100 MG/KG - CMROCX 4,17,1976.  
LD50: (ORAL, MUS) 525 MG/KG. - JNPAG 2,259,1971. LD50: (IPR, MUS) 120  
MG/KG - ARZNAD 19,36,1969. LD50: (IVN, MUS) 96 MG/KG - YKKZAJ  
89,1392,1969. LD50: (IMS, MUS) 400 MG/KG - PCJOAU 17,353,1983. ONLY  
SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)  
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE  
INFORMATION.

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Ecological Information  
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Ecological: DATA NOT YET AVAILABLE.

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Disposal Considerations  
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Waste Disposal Methods: DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE  
SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN  
AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL  
ENVIRONMENTAL REGULATIONS.

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MSDS Transport Information  
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Transport Information: CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION  
INFORMATION.

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Regulatory Information  
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Federal Regulatory Information: EUROPEAN INFORMATION: HARMFUL; R  
20/21/22 - HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF  
SWALLOWED. R 40 - POSSIBLE RISK OF IRREVERSIBLE EFFECTS. S 22 - DO  
NOT BREATHE DUST. S 36 - WEAR SUITABLE PROTECTIVE CLOTHING.

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