

SIGMA CHEMICAL CO -- CADAVERINE DIHYDROCHLORIDE, C0500 -- 6505-00N092455

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Product Identification  
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Product ID:CADAVERINE DIHYDROCHLORIDE, C0500  
MSDS Date:04/01/1999  
FSC:6505  
NIIN:00N092455  
Status Code:A  
MSDS Number: CJTYX  
=== 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:CADAVERINE DIHYDROCHLORIDE  
CAS:1476-39-7

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MAY BE HARMFUL BY INHALATION,  
INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANE AND UPPER RESPIRATORY  
TRACT. EXPOSURE CAN CAUSE: NAUSEA, H EADACHE AND VOMITING.  
Effects of Overexposure:SEE HEALTH HAZARDS.

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First Aid Measures  
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First Aid:EYES: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT  
LEAST 15 MINUTES. SKIN: IMMEDIATELY WASH WITH SOAP AND COPIOUS  
AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING  
GIVE ART IFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE  
OXYGEN. INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS  
CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE  
REUSE.

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

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Accidental Release Measures  
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Spill Release Procedures:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS, RUBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN  
A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE  
AREA AND WASH SPILL SIT E AFTER MATERIAL PICKUP IS COMPLETE.

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Handling and Storage  
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Handling and Storage Precautions:DO NOT BREATHE DUST. DO NOT GET IN  
EYES OR SKIN OR CLOTHING. IRRITANT. KEEP TIGHTLY CLOSED.

EYES, ON SKIN, ON CLOTHING. IRRITANT. KEEP TIGHTLY CLOSED.  
UNPLEASANT ODOR. STORE IN A COOL DRY PLACE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NIOSH APPROVED RESPIRATOR.  
Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:EYE WASH AND DELUGE SHOWER MEETING ANSI  
DESIGN CRITERIA .  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health

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Physical/Chemical Properties  
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Melt/Freeze Pt:>260.C, 500.F  
M.P/F.P Text:260C TO 262C  
Appearance and Odor:OFF-WHITE TO TAN POWDER.

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Hazardous Decomposition Products:HAZARDOUS COMBUSTION OR DECOMPOSITION  
PRODUCTS: TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN  
OXIDES, HYDROGEN CHLORIDE GAS.

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Toxicological Information  
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Toxicological Information:TO THE BEST OF MFR'S KNOWLEDGE, THE CHEMICAL,  
PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY  
INVESTIGATED.

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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: IRRITANT R  
36/37/38 IRRITATING TO EYES, REPIRATORY SYSTEM AND SKIN. S 26 IN  
CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER  
AND SEEK MEDICAL ADVICE. S 36 WEAR S UITABLE PROTECTIVE CLOTHING.

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