

DOD Hazardous Materials Information System  
DoD 6050.5-L  
AS OF July 1998

FSC: 6550  
NIIN: 00F054172  
Manufacturer's CAGE: 21076  
Part No. Indicator: A  
Part Number/Trade Name: D6511 2-6-DICHLOROQUINONE-4-CHLOROIMIDE

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General Information  
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Item Name:  
Company's Name: SIGMA CHEMICAL COMPANY  
Company's Street: 3050 SPRUCE ST  
Company's P. O. Box: 14508  
Company's City: SAINT LOUIS  
Company's State: MO  
Company's Country: US  
Company's Zip Code: 63178-5000  
Company's Emerg Ph #: 314-771-5765/800-325-3010  
Company's Info Ph #: 314-771-5765/800-325-3010  
Distributor/Vendor # 1:  
Distributor/Vendor # 1 Cage:  
Distributor/Vendor # 2:  
Distributor/Vendor # 2 Cage:  
Distributor/Vendor # 3:  
Distributor/Vendor # 3 Cage:  
Distributor/Vendor # 4:  
Distributor/Vendor # 4 Cage:  
Safety Data Action Code:  
Safety Focal Point: F  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SE  
Date MSDS Prepared: 19MAY97  
Safety Data Review Date: 23JUL97  
Supply Item Manager:  
MSDS Preparer's Name:  
Preparer's Company: SIGMA CHEMICAL COMPANY  
Preparer's St Or P. O. Box: 3050 SPRUCE ST  
Preparer's City: SAINT LOUIS  
Preparer's State: MO  
Preparer's Zip Code: 63178-5000  
Other MSDS Number:  
MSDS Serial Number: CFGQQ  
Specification Number:  
Spec Type, Grade, Class:  
Hazard Characteristic Code:  
Unit Of Issue:  
Unit Of Issue Container Qty:  
Type Of Container:  
Net Unit Weight:

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NRC/State License Number:  
Net Explosive Weight:  
Net Propellant Weight-Ammo:  
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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 Proprietary: NO  
 Ingredient: 2,5-CYCLOHEXADIEN-1-ONE, 4-CHLOROIMINO-2,6-DICHLORO-  
 Ingredient Sequence Number: 01  
 Percent: N/K  
 Ingredient Action Code:  
 Ingredient Focal Point: F  
 NIOSH (RTECS) Number: GU5470000  
 CAS Number: 101-38-2  
 OSHA PEL: N/K  
 ACGIH TLV: N/K  
 Other Recommended Limit: N/K  
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Physical/Chemical Characteristics

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 Appearance And Odor: YELLOW POWDER  
 Boiling Point: N/K  
 Melting Point: 149-152.6F  
 Vapor Pressure (MM Hg/70 F): N/K  
 Vapor Density (Air=1): N/K  
 Specific Gravity: N/K  
 Decomposition Temperature: N/K  
 Evaporation Rate And Ref: N/K  
 Solubility In Water: N/K  
 Percent Volatiles By Volume: N/K  
 Viscosity:  
 pH: N/K  
 Radioactivity:  
 Form (Radioactive Matl):  
 Magnetism (Milligauss):  
 Corrosion Rate (IPY): N/K  
 Autoignition Temperature:  
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Fire and Explosion Hazard Data

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 Flash Point: N/K  
 Flash Point Method: N/P  
 Lower Explosive Limit: N/K  
 Upper Explosive Limit: N/K  
 Extinguishing Media: CO2, DRY CHEMICAL POWDER/APPROPRIATE FOAM.  
 Special Fire Fighting Proc: WEAR SCBA & PROTECTIVE CLOTHING. USE WATER  
 SPRAY TO COOL FIRE EXPOSED CONTAINERS.  
 Unusual Fire And Expl Hazrds: MAY EXPLODE WHEN HEATED. EMITS TOXIC FUMES  
 UNDER FIRE CONDITIONS.  
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 Reactivity Data

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 Stability: YES  
 Cond To Avoid (Stability): HEAT SENSITIVE.  
 Materials To Avoid: STRONG ACIDS, STRONG BASES.  
 Hazardous Decomp Products: THERMAL COMBUSTION: CO, CO2, NITROGEN OXIDES,  
 HYDROGEN CHLORIDE GAS.  
 Hazardous Poly Occur: NO  
 Conditions To Avoid (Poly): N/K  
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Health Hazard Data

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 LD50-LC50 Mixture:  
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Route Of Entry - Inhalation: YES  
 Route Of Entry - Skin: YES  
 Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: MAY BE HARMFUL BY INHALATION, INGESTION/SKIN IRRITATION.  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NONE  
 Signs/Symptoms Of Overexp: IRRITATION.  
 Med Cond Aggravated By Exp: N/K  
 Emergency/First Aid Proc: EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR 15 MINS. SKIN: WASH W/SOAP & COPIOUS AMOUNTS OF WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. INGESTION: WASH OUT MOUTH W/WATER IF CONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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 Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: WEAR SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG & HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH SITE AFTER MATERIAL PICKUP IS COMPLETE.  
 Neutralizing Agent: N/K  
 Waste Disposal Method: CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.  
 Precautions-Handling/Storing: REFRIGERATE. KEEP TIGHTLY CLOSED.  
 Other Precautions: AVOID PROLONGED/REPEATED EXPOSURE. AVOID CONTACT W/ EYES, SKIN & CLOTHING. DON'T BREATHE DUST.

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 Control Measures  
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Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.  
 Ventilation: MECHANICAL EXHAUST REQUIRED.  
 Protective Gloves: CHEMICAL RESISTANT  
 Eye Protection: SAFETY GOGGLES  
 Other Protective Equipment: PROTECTIVE CLOTHING, SAFETY SHOWER & EYE BATH.  
 Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.  
 Suppl. Safety & Health Data: N/K

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 Transportation Data  
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Transportation Action Code:  
 Transportation Focal Point:  
 Trans Data Review Date:  
 DOT PSN Code:  
 DOT Symbol:  
 DOT Proper Shipping Name:  
 DOT Class:  
 DOT ID Number:  
 DOT Pack Group:  
 DOT Label:  
 DOT/DoD Exemption Number:  
 IMO PSN Code:  
 IMO Proper Shipping Name:  
 IMO Regulations Page Number:  
 IMO UN Number:  
 IMO UN Class:  
 IMO Subsidiary Risk Label:

IATA PSN Code:  
 IATA UN ID Number:  
 IATA Proper Shipping Name:  
 IATA UN Class:  
 IATA Subsidiary Risk Class:  
 IATA Label:  
 AFI PSN Code:  
 AFI Symbols:  
 AFI Prop. Shipping Name:  
 AFI Class:  
 AFI ID Number:  
 AFI Pack Group:  
 AFI Label:  
 AFI Special Prov:  
 AFI Basic Pac Ref:  
 MMAC Code:  
 N.O.S. Shipping Name:  
 Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:  
 Disposal Data Focal Point:  
 Disposal Data Review Date:  
 Rec # For This Disp Entry:  
 Tot Disp Entries Per NSN:  
 Landfill Ban Item:  
 Disposal Supplemental Data:  
 1st EPA Haz Wst Code New:  
 1st EPA Haz Wst Name New:  
 1st EPA Haz Wst Char New:  
 1st EPA Acute Hazard New:  
 2nd EPA Haz Wst Code New:

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2nd EPA Haz Wst Name New:  
 2nd EPA Haz Wst Char New:  
 2nd EPA Acute Hazard New:  
 3rd EPA Haz Wst Code New:  
 3rd EPA Haz Wst Name New:  
 3rd EPA Haz Wst Char New:  
 3rd EPA Acute Hazard New:

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Label Data

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Label Required:  
 Technical Review Date:  
 Label Date:  
 MFR Label Number:  
 Label Status:  
 Common Name:  
 Chronic Hazard:  
 Signal Word:  
 Acute Health Hazard-None:  
 Acute Health Hazard-Slight:  
 Acute Health Hazard-Moderate:  
 Acute Health Hazard-Severe:  
 Contact Hazard-None:  
 Contact Hazard-Slight:  
 Contact Hazard-Moderate:

Contact Hazard-Severe:  
Fire Hazard-None:  
Fire Hazard-Slight:  
Fire Hazard-Moderate:  
Fire Hazard-Severe:  
Reactivity Hazard-None:  
Reactivity Hazard-Slight:  
Reactivity Hazard-Moderate:  
Reactivity Hazard-Severe:  
Special Hazard Precautions:  
Protect Eye:  
Protect Skin:  
Protect Respiratory:  
Label Name:  
Label Street:  
Label P.O. Box:  
Label City:  
Label State:  
Label Zip Code:  
Label Country:  
Label Emergency Number:  
Year Procured: