

KEPRO CIRCUIT SYSTEMS -- SP-4G SODIUM PERSULFATE ETCHANT - SODIUM PERSULFATE  
MATERIAL SAFETY DATA SHEET  
NSN: 6850011347137  
Manufacturer's CAGE: 52519  
Part No. Indicator: A  
Part Number/Trade Name: SP-4G SODIUM PERSULFATE ETCHANT

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General Information  
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Item Name: SODIUM PERSULFATE  
Company's Name: KEPRO CIRCUIT SYSTEMS INC (FMC CORP 6810)  
Company's Street: 630 AXMINISTER DRIVE  
Company's City: FENTON  
Company's State: MO  
Company's Country: US  
Company's Zip Code: 63026-2992  
Company's Emerg Ph #: 800-424-9300 (CHEMTREC)  
Company's Info Ph #: 716-876-8300  
Distributor/Vendor # 1: A-I CONSOLIDATED INC  
Distributor/Vendor # 1 Cage: 2P655  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 003  
Status: SM  
Date MSDS Prepared: 09MAR90  
Safety Data Review Date: 30SEP92  
Supply Item Manager: CX  
MSDS Preparer's Name: CRIS WILLIAMS  
Preparer's Company: FMC CORPORATION  
Preparer's St Or P. O. Box: 2000 MARKET STREET  
Preparer's City: PHILADELPHIA  
Preparer's State: PA  
Preparer's Zip Code: 19103  
MSDS Serial Number: BGNJV  
Specification Number: NOT APPLICABLE  
Hazard Characteristic Code: D2  
NRC/State License Number: NOT APPLICABLE

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: SODIUM PERSULFATE  
Ingredient Sequence Number: 01  
Percent: 100  
NIOSH (RTECS) Number: SE0525000  
CAS Number: 7775-27-1

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Physical/Chemical Characteristics  
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Appearance And Odor: WHITE CRYSTALS, NO ODOR  
Boiling Point: N/A  
Melting Point: DECOMPOSES  
Vapor Pressure (MM Hg/70 F): NONE  
Vapor Density (Air=1): N/A  
Specific Gravity: 2.6  
Decomposition Temperature: UNKNOWN  
Evaporation Rate And Ref: NOT APPLICABLE  
Solubility In Water: APPRECIABLE  
Percent Volatiles By Volume: N/A  
pH: N/A  
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data  
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Flash Point: NON-FLAMMABLE  
 Extinguishing Media: WATER OR WATER FOG  
 Special Fire Fighting Proc: CONSIDER AS AN OXIDIZER WITH ACID MIST. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
 Unusual Fire And Expl Hazrds: OXYGEN RELEASED BY HEAT OF FIRE MAY INTENSIFY FIRE IN COMBUSTIBLE SURROUNDINGS.

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 Reactivity Data  
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Stability: NO  
 Cond To Avoid (Stability): DECOMPOSES WITH EXOTHERMIC REACTION. MOISTURE, HEAT AND CONTACT WITH REDUCING AGENTS.  
 Materials To Avoid: EASILY OXIDIZABLE MATERIALS, COMBUSTIBLE MATERIAL, ACIDS, STRONG ALKALIS  
 Hazardous Decomp Products: OXYGEN  
 Hazardous Poly Occur: NO  
 Conditions To Avoid (Poly): NONE

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 Health Hazard Data  
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LD50-LC50 Mixture: ORAL LD50 (RAT) IS 895 MG/KG  
 Route Of Entry - Inhalation: NO  
 Route Of Entry - Skin: NO  
 Route Of Entry - Ingestion: YES  
 Health Haz Acute And Chronic: ACUTE: MAY BE HARMFUL IF INGESTED. MAY IRRITATE SKIN AND EYES ON CONTACT. MAY IRRITATE RESPIRATORY SYSTEM IF INHALED. CHRONIC: ALLERGIC PERSONS MAY DEVELOP DERMATITIS OR ASTHMA.  
 Carcinogenicity - NTP: NO  
 Carcinogenicity - IARC: NO  
 Carcinogenicity - OSHA: NO  
 Explanation Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
 Signs/Symptoms Of Overexp: INHALED: WHEEZING, COUGHING, SNEEZING, SHORTNESS OF BREATH. EYES: REDNESS, TEARING, BLURRED VISION, DISCOMFORT OR ITCHING. SKIN: REDNESS, ITCHING, DISCOMFORT. INGESTED: NAUSEA, VOMITING, DIARRHEA.  
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
 Emergency/First Aid Proc: INHALED: REMOVE PERSON TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING; GIVE OXYGEN IF BREATHING DIFFICULT. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH LOTS OF WATER. SEE DOCTOR. INGESTED: IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER AND CALL DOCTOR. IF ANT SYMPTOMS PERSIST; CALL A DOCTOR.

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 Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: MATERIAL SHOULD BE PUT INTO APPROVED DOT CONTAINER AND DILUTED WITH LARGE QUANTITY OF WATER. WEAR PROPER PROTECTIVE CLOTHING.  
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
 Waste Disposal Method: DISSOLVE IN WATER AND DISPOSE VIA A TREATMENT SYSTEM IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. BECAUSE LOCAL AND STATE REQUIREMENTS DIFFER; CONSULT WITH LOCAL AND STATE OFFICIALS BEFORE DISPOSING.  
 Precautions-Handling/Storing: STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL, DRY PLACE AWAY FROM POINT HEAT SOURCES AND INCOMPATIBLE MATERIALS.  
 Other Precautions: FOR STORAGE REQUIREMENTS; REFER TO NFPA BULLETIN 43 A ON THE STORAGE OF LIQUID AND SOLID OXIDIZING MATERIALS. AVOID CONTAMINATION OF OPENED PRODUCT, KEEP CLOSED WHEN NOT IN USE.

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 Control Measures  
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Respiratory Protection: WHEN EXPOSURE ABOVE THE ESTABLISHED STANDARD IS LIKELY, RESPIRATORY PROGRAM IN ACORDANCE WITH OSHA GENERAL INDUSTRY

STANDARD 1910.134 AND RESPIRATORY EQUIPMENT SUCH AS A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST MUST BE IMPLEMENTED.

Ventilation: USE ONLY IN WELL VENTILATED AREAS. LOCAL OR GENERAL MECHANICAL TO CONTROL DUST TO OSHA STANDARD.

Protective Gloves: RUBBER OR NEOPRENE

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: FULL COVER CLOTHING

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Suppl. Safety & Health Data: CONTAINER SIZE:8 LB BAG. PART A OF A 2 PART KIT. KEY1=D2. MSDS WRITTEN BY KEPRO FROM INFORMATION PROVIDED BY FMC CORP, PHILADELPHIA, PA. PHONE #: 215-299-6000.

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Transportation Data  
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Trans Data Review Date: 82222  
DOT Proper Shipping Name: UNDER REVIEW  
IMO PSN Code: NVZ  
IMO Proper Shipping Name: SODIUM PERSULPHATE  
IMO Regulations Page Number: 5185  
IMO UN Number: 1505  
IMO UN Class: 5.1  
IMO Subsidiary Risk Label: -  
AFI Prop. Shipping Name: UNDER REVIEW  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 30SEP92  
Label Status: F  
Common Name: SP-4G SODIUM PERSULFATE ETCHANT  
Chronic Hazard: NO  
Signal Word: CAUTION!  
Acute Health Hazard-Slight: X  
Contact Hazard-Slight: X  
Fire Hazard-None: X  
Reactivity Hazard-Slight: X  
Special Hazard Precautions: INHALATION OF DUST IS IRRITATING. MAY CAUSE BURNING OF EYES AND FLOW OF TEARS. MAY CAUSE COUGHING, DIFFICULT BREATHING AND NAUSEA. EXPOSURE IN AN ENCLOSED AREA MAY BE HARMFUL. STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL, DRY PLACE AWAY FROM POINT HEAT SOURCES AND INCOMPATIBLE MATERIALS. FIRST AID: INHALED: REMOVE PERSON TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING; GIVE OXYGEN IF BREATHING DIFFICULT. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH LOTS OF WATER. SEE DOCTOR. INGESTED: IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER AND CALL DOCTOR. IF ANT SYMPTOMS PERSIST; CALL A DOCTOR.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: KEPRO CIRCUIT SYSTEMS INC (FMC CORP 6810)  
Label Street: 630 AXMINISTER DRIVE  
Label City: FENTON  
Label State: MO  
Label Zip Code: 63026-2992  
Label Country: US  
Label Emergency Number: 800-424-9300 (CHEMTREC)  
Year Procured: 1992  
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