

CLOROX -- KINGSFORD ODORLESS CHARCOAL LIGHTER  
MATERIAL SAFETY DATA SHEET  
NSN: 911000N017391  
Manufacturer's CAGE: 93098  
Part No. Indicator: B  
Part Number/Trade Name: KINGSFORD ODORLESS CHARCOAL LIGHTER

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General Information  
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Company's Name: CLOROX CO  
Company's Street: 7200 JOHNSON DR  
Company's City: PLEASANTON  
Company's State: CA  
Company's Country: US  
Company's Zip Code: 94588  
Company's Emerg Ph #: 303-573-1014;800-424-9300 (CHEMTREC)  
Company's Info Ph #: 415-847-6100  
Record No. For Safety Entry: 002  
Tot Safety Entries This Stk#: 003  
Status: SMJ  
Date MSDS Prepared: 01OCT91  
Safety Data Review Date: 08OCT96  
MSDS Serial Number: CCNCJ

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Ingredients/Identity Information  
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Proprietary: NO  
Ingredient: KEROSENE (PETROLEUM), HYDROTREATED; (PARAFFINIC/NAPHTHENIC HYDROCARBONS)  
Ingredient Sequence Number: 01  
Percent: 100  
NIOSH (RTECS) Number: OA5504000  
CAS Number: 64742-47-8  
OSHA PEL: N/K (FP N)  
ACGIH TLV: 100 PPM (MFR)  
Other Recommended Limit: 50 PPM (MFR)

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Physical/Chemical Characteristics  
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Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.  
Boiling Point: >360F,>182C  
Vapor Pressure (MM Hg/70 F): 2 @ 100F  
Vapor Density (Air=1): 6.2  
Specific Gravity: SUPDAT

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Fire and Explosion Hazard Data  
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Flash Point: >140F,>60C  
Flash Point Method: TCC  
Lower Explosive Limit: 1%  
Upper Explosive Limit: 6%  
Extinguishing Media: USE FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CARBON DIOXIDE OR VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS TO FIGHT FIRE.  
Special Fire Fighting Proc: USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).  
Unusual Fire And Expl Hazrds: KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. DO NOT SMOKE WHILE

USING THIS PRODUCT.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): STABLE AND WILL NOT REACT VIOLENTLY WITH WATER.  
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDANTS SUCH AS LIQUID  
CHLORINE, CONCENTRATED OXYGEN AND SODIUM OR CALCIUM HYPOCHLORITE.  
Hazardous Decomp Products: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT  
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Health Hazard Data  
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: EYE, SKIN & RESPIRATORY TRACT IRRITANT.  
RPTD/PRLNGD EXPOSURE TO CONCENTRATIONS ABOVE THE WORKER EXPOSURE LIMIT MAY  
CAUSE DIZZINESS, HEADACHE, UNCONSCIOUSNESS & CONVULSIONS. LOW ORDER OF  
ACUTE ORAL TOXICITY, BUT SMALL AMOUNTS ASPIRATED INTO THE LUNGS DURING  
INGESTION MAY CAUSE SEVERE PULMONARY INJURY (EFTS OF OVEREXP)  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: HLTH HAZ: OR DEATH. ANIMAL STUDIES HAVE SHOWN  
THAT LIGHT HYDROCARBONS SIMILAR TO THIS PRODUCT HAVE CAUSED ADVERSE KIDNEY  
EFFECTS TO MALE RATS AFTER PRLNGD & RPTD INHALATION EXPOSURE. REPORTS HAVE  
ASSOCIATED RPTD & PRLNGD OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT  
BRAIN & NERVOUS SYSTEM DAMAGE.  
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.  
Emergency/First Aid Proc: INGESTION: DO NOT INDUCE VOMITING. CALL MD  
IMMEDIATELY. INHALATION: REMOVE FROM EXPOSURE. IF BREATHING PROBLEMS  
DEVELOP, CALL MD IMMEDIATELY. EYES: FLUSH WITH WATER FOR AT LEAST 15  
MINUTES. IF PAIN OR IRRITATION PERSISTS SEE MD. SKIN: REMOVE CONTAMINATED  
CLOTHING AND WASH SKIN WITH SOAP AND WATER.  
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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: SERIOUS FIRE AND EXPLOSION HAZARD. AVOID ALL  
OEPN FLAMES AND ELIMINATE ALL IGNITION SOURCES. MINIMIZE BREATHING VAPORS  
AND CONTACT WITH SKIN. OPEN ALL WINDOWS AND DOORS. KEEP PRODUCT OUT OF  
SEWERS. ABSORB SPILL WITH AN INERT MATERIAL.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.  
Waste Disposal Method: SCOOP UP AND DISPOSE OF IN ACCORDANCE WITH FEDERAL,  
STATE AND LOCAL REGULATIONS.  
Precautions-Handling/Storing: KEEP CONTAINER CLOSED WHEN NOT IN USE. DO  
NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. DO NOT SMOKE WHEN  
USING THIS PRODUCT.  
Other Precautions: NONE SPECIFIED BY MANUFACTURER.  
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Control Measures  
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Respiratory Protection: IN AN OCCUPATIONAL SETTING, WEAR NIOSH APPROVED  
VAPOR RESPIRATOR.

Ventilation: USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO VAPORS.  
Protective Gloves: IMPERVIOUS GLOVES (FP N).  
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).  
Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).  
Work Hygienic Practices: AVOID SKIN AND EYE CONTACT AND INHALATION OF VAPORS.  
Suppl. Safety & Health Data: SPEC GRAV: 0.80-0.81 (H\*2O=1).

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Transportation Data  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 09OCT96  
Label Date: 08OCT96  
Label Status: G  
Common Name: KINGSFORD ODORLESS CHARCOAL LIGHTER  
Chronic Hazard: YES  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Moderate: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: SERIOUS FIRE AND EXPLOSION HAZARD. ACUTE: EYE, SKIN AND RESPIRATORY TRACT IRRITANT. REPEATED OR PROLONGED EXPOSURE TO CONCENTRATIONS ABOVE THE WORKER EXPOSURE LIMIT MAY CAUSE DIZZINESS, HEADACHE, UNCONSCIOUSNESS AND CONVULSIONS. LOW ORDER OF ACUTE ORAL TOXICITY, BUT SMALL AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION MAY CAUSE SEVERE PULMONARY INJURY OR DEATH. CHRONIC: OVEREXPOSURE TO SOLVENTS HAS BEEN ASSOCIATED WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: CLOROX CO  
Label Street: 7200 JOHNSON DR  
Label City: PLEASANTON  
Label State: CA  
Label Zip Code: 94588  
Label Country: US  
Label Emergency Number: 303-573-1014;800-424-9300 (CHEMTREC)