

## OHIO STATE UNIVERSITY COLLEGE OF BIOLOGICAL SCIENCES MSDS FILE

CLOROX -- KINGSFORD ODORLESS CHARCOAL LIGHTER  
MATERIAL SAFETY DATA SHEET

FSC: 9110

NIIN: 00N017391

Manufacturer's CAGE: 93098

Part No. Indicator: A

Part Number/Trade Name: KINGSFORD ODORLESS CHARCOAL LIGHTER

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General Information  
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Company's Name: CLOROX COMPANY

Company's Street: 7200 JOHNSON DR

Company's City: PLEASANTON

Company's State: CA

Company's Country: US

Company's Zip Code: 94566

Company's Emerg Ph #: 415-847-6100

Company's Info Ph #: 415-847-6100

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SMJ

Date MSDS Prepared: 01AUG89

Safety Data Review Date: 18MAY95

MSDS Serial Number: BKQSK

Hazard Characteristic Code: F4  
=====Ingredients/Identity Information  
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Proprietary: NO

Ingredient: HYDROTREATED HEAVY NAPHTHA (ISOPARAFFINIC HYDROCARBONS)

Ingredient Sequence Number: 01

Percent: 100

NIOSH (RTECS) Number: 1002859HN

CAS Number: 64742-48-9

OSHA PEL: 50 PPM (MFR)

ACGIH TLV: 300 PPM (MFR)  
=====Physical/Chemical Characteristics  
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Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.

Boiling Point: 345F,174C

Vapor Density (Air=1): &gt;5

Specific Gravity: 0.76  
=====Fire and Explosion Hazard Data  
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Flash Point: 120F,49C

Lower Explosive Limit: 0.7%

Upper Explosive Limit: 7%

Extinguishing Media: USE FOAM, WATER SPRAY (FOG), DRY CHEMICAL, CO\*2 OR  
VAPORIZING LIQ TYPE EXTING AGENTS TO FIGHT FIRES. TYPE OF (SUPP DATA)

Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire And Expl Hazrds: COMBUSTIBLE. SERIOUS FIRE AND EXPLOSION HAZARD. AVOID ALL OPEN FLAMES AND ELIMINATE ALL IGNITION SOURCES.

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Reactivity Data

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Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDANTS SUCH AS LIQUID CHLORINE, CONCENTRATED OXYGEN AND SODIUM OR CALCIUM HYPOCHLORITE.

Hazardous Decomp Products: NONE SPECIFIED BY MANUFACTURER.

Conditions To Avoid (Poly): NONE SPECIFIED BY MANUFACTURER.

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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 CONCS ABOVE WORKER EXPOSURE LIMIT MAY CAUSE DIZZINESS, HEADACHE, UNCONSCIOUSNESS & CONVULSIONS. LOW ORDER OF ACUTE ORAL TOXICITY BUT SMALL AMTS ASPIRATED INTO LUNGS DURING INGESTION MAY CAUSE SEVERE PULMONARY INJURY OR DEATH. ANIMAL (SEE EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT

Signs/Symptoms Of Overexp: HLTH HAZ: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 W/PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Emergency/First Aid Proc: INGEST:DO NOT INDUCE VOMITING. CALL MD

IMMEDIATELY. INHAL:REMOVE FROM EXPOS. IF BREATHING PROBLEMS DEVELOP, CALL MD IMMEDIATELY. EYE:FLUSH W/WATER FOR AT LEAST 15 MINUTES. IF PAIN OR IRRITATION PERSISTS, SEE MD. SKIN:REMOVE CONTAMINATED CLOTHING & WASH W/ SOAP & WATER.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: AVOID ALL OPEN FLAMES & ELIMINATE ALL IGNITION SOURCES. MINIMIZE BREATHING VAPORS & CONTACT W/SKIN. OPEN ALL WINDOWS & DOORS. KEEP PRODUCT OUT OF SEWERS. ABSORB SPILL W/INERT MATERIAL. SCOOP UP & DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N).

Precautions-Handling/Storing: KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS.

Other Precautions: DO NOT SMOKE WHILE USING THIS PRODUCT. AVOID SKIN AND EYE CONTACT AND INHALATION OF VAPORS.

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Control Measures  
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Respiratory Protection: WEAR NIOSH/MSHA APPROVED VAPOR RESPIRATOR.  
Ventilation: USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO VAPORS.  
Protective Gloves: IMPERVIOUS GLOVES (FP N).  
Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).  
Other Protective Equipment: EYEWASH AND DELUGE SHOWER (FP N).  
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.  
Suppl. Safety & Health Data: EXTING MEDIA:EXTINGUISHING AGENT IS DEPENDENT  
UPON SIZE OF FIRE & CIRCUMSTANCES RELATED TO SITUATION.

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Transportation Data  
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Trans Data Review Date: 91274  
DOT PSN Code: GJL  
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
DOT Class: 3  
DOT ID Number: UN1993  
DOT Pack Group: III  
DOT Label: FLAMMABLE LIQUID  
IMO PSN Code: HIA  
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*  
IMO Regulations Page Number: 3345  
IMO UN Number: 1993  
IMO UN Class: 3.3  
IATA PSN Code: MCA  
IATA UN ID Number: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \* \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: MCA  
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S. \*  
AFI Class: 3  
AFI ID Number: UN1993  
AFI Pack Group: III  
AFI Label: FLAMMABLE LIQUID  
AFI Basic Pac Ref: 7-7

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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 20AUG91  
Label Status: G  
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: ACUTE:CAUSES EYE, SKIN, AND RESPIRATORY TRACT

IRRITATION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. FLAMMABLE LIQUID. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED. CHRONIC: MAY CAUSE ADVERSE KIDNEY EFFECTS BASED ON ANIMAL STUDIES. REPORTS HAVE ASSOCIATED REPEATED/PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. TARGET ORGANS: BRAIN, CNS, AND KIDNEYS.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: CLOROX COMPANY

Label Street: 7200 JOHNSON DR

Label City: PLEASANTON

Label State: CA

Label Zip Code: 94566

Label Country: US

Label Emergency Number: 415-847-6100

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