

OMNIGLOW CORP; FORMERLY CHEMICAL DEVICE CORP -- CHEMICAL LIGHTSTICK --
6260-01-074-4229

===== Product Identification =====

Product ID:CHEMICAL LIGHTSTICK
MSDS Date:10/05/1990
FSC:6260
NIIN:01-074-4229
MSDS Number: BKBMP
=== Responsible Party ===
Company Name:OMNIGLOW CORP; FORMERLY CHEMICAL DEVICE CORP
Address:20 C PIMENTEL CT
City:NOVATO
State:CA
ZIP:94949
Country:US
Info Phone Num:415-883-6093
Emergency Phone Num:415-883-6093
Preparer's Name:SEECO (415-284-4251)
CAGE:MO830

=== Contractor Identification ===

Company Name:OMNIGLOW CORP
Address:96 WINDSOR ST
Box:City:WEST SPRINGFIELD
State:MA
ZIP:01089
Country:US
Phone:413-739-8252
CAGE:OBY83
Company Name:OMNIGLOW CORP; FORMERLY CHEMICAL DEVICE CORP
Address:20 C PIMENTEL CT
Box:City:NOVATO
State:CA
ZIP:94949
Country:US
Phone:415-883-6093
CAGE:MO830

===== Composition/Information on Ingredients =====

Ingred Name:DIBUTYL PHTHALATE (SARA III)
CAS:84-74-2
RTECS #:TI0875000
Fraction by Wt: 60%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)
CAS:75-65-0
RTECS #:EO1925000
Fraction by Wt: 10-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:100 PPM
ACGIH TLV:100PPM 9394

Ingrid Name: DIMETHYLPHTHALATE (SARA III)
 CAS: 131-11-3
 RTECS #: TI1575000
 Fraction by Wt: 25%
 Other REC Limits: NONE SPECIFIED
 OSHA PEL: 5 MG/M3
 ACGIH TLV: 5 MG/M3; 9192
 EPA Rpt Qty: 5000 LBS
 DOT Rpt Qty: 5000 LBS

Ingrid Name: HYDROGEN PEROXIDE (SARA III)
 CAS: 7722-84-1
 RTECS #: MX0900000
 Fraction by Wt: 2-4%
 Other REC Limits: NONE SPECIFIED
 OSHA PEL: 1 PPM
 ACGIH TLV: 1 PPM; 9192

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 ===== Hazards Identification =====
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LD50 LC50 Mixture: LD50 (ORAL RAT) IS > 3 G/KG
 Routes of Entry: Inhalation: YES Skin: YES Ingestion: NO
 Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
 Health Hazards Acute and Chronic: EYES/SKIN: PROLONGED CONTACT CAN CAUSE
 SLIGHT IRRITATION. AVOID BREATHING OF VAPOR. BREAKAGE OF CASE FOR
 LIGHTSTICK COULD CAUSE GLASS CHIPS TO BECOME IMBEDDED IN THE EYE.
 Explanation of Carcinogenicity: NONE OF THE CHEMICALS IN THIS PRODUCT IS
 LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
 Effects of Overexposure: IRRITATION OF EYES/SKIN/RESPIRATORY TRACT.
 Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF SKIN AND
 RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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 ===== First Aid Measures =====
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First Aid: EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.
 GET MEDICAL ATTENTION. THERE MAY BE GLASS CHIPS EMBEDDED IN THE
 EYE. SKIN: WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH
 AIR. INGESTION: INDUCE VOMITING BY GIVING TWO GLASSES OF WATER
 AND GET PROMPT MEDICAL ATTENTION.

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 ===== Fire Fighting Measures =====
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Flash Point Method: TCC
 Flash Point: 295F, 146C
 Extinguishing Media: USE CARBON DIOXIDE OR DRY CHEMICAL.
 Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
 FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
 FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
 Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE
 HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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 ===== Accidental Release Measures =====
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Spill Release Procedures: COVER SPILLS WITH SOME INERT ABSORBENT; SWEEP
 UP AND PLACE IN A WASTE DISPOSAL CONTAINER. FLUSH AREA WITH WATER.
 Neutralizing Agent: NONE

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 ===== Handling and Storage =====
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Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED

AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:USE OF FULL LENGTH SLEEVES AND PANTS; BOOTS OR WORK SHOES ARE RECOMMENDED FOR MANUFACTURING OPERATIONS.

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 Exposure Controls/Personal Protection
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Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves:RUBBER GLOVES IF LIQUID CONTACT POSSIBLE

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

MATERIAL IS AN ARTICLE. PHYSICAL PROPERTIES ARE GIVEN FOR ACTIVATOR COMPONENT. OTHER FLUORESCENT COMPONENT AS BOILING POINT OF 612F AND SPECIFIC GRAVITY OF 1.05 AND IS FLUORESCENT COLOR WITH A MILD ODOR. FLASH POINT GIVEN AS 200F.

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 Physical/Chemical Properties
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HCC:N1

Boiling Pt:B.P. Text:541F,283C

Melt/Freeze Pt:M.P/F.P Text:-30F,-34C

Spec Gravity:1.18

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR OILY LIQUID; MILD ODOR - ENCLOSED IN AN SEALED CASE - CONSIDER AN ARTICLE

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 Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

LIQUID COMPONENTS ARE INCOMPATIBLE WITH OXIDIZERS AND WILL REACT VIOLENTLY WITH CHLORINE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, AND OTHER POSSIBLE BYPRODUCTS.

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 Disposal Considerations
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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AMERICAN CYANAMID,CO.,CHEMICAL LIGHT DEPT -- CYALUME LIGHT STICK -- 6260-01-074-4229

===== Product Identification =====

Product ID:CYALUME LIGHT STICK

MSDS Date:06/15/1988

FSC:6260

NIIN:01-074-4229

MSDS Number: BGKNM

=== Responsible Party ===

Company Name:AMERICAN CYANAMID,CO.,CHEMICAL LIGHT DEPT

Address:ONE CYANAMID PLAZA

City:WAYNE

State:NJ

ZIP:07470-4028

Info Phone Num:201-835-3100

Emergency Phone Num:201-835-3100

Preparer's Name:MARVIN A. FRIEDMAN

CAGE:83289

=== Contractor Identification ===

Company Name:AMERICAN CYANAMID CO CYTEC INDUSTRIES DIV CHEMICAL LIGHT
DEP

Address:5 GARRET MOUNTAIN PLZ

Box:City:LITTLE FALLS

State:NJ

ZIP:07424

Country:US

Phone:201-831-2000/201-357-3100

CAGE:83289

===== Composition/Information on Ingredients =====

Inged Name:DIBUTYL PHTHALATE (SARA III)

CAS:84-74-2

RTECS #:TI0875000

Fraction by Wt: 45-92%

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3; 9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Inged Name:TERT-BUTYL ALCOHOL (SARA III)

CAS:75-65-0

RTECS #:EO1925000

Fraction by Wt: 1-6.5%

OSHA PEL:100 PPM

ACGIH TLV:100PPM 9394

Inged Name:HYDROGEN PEROXIDE

CAS:7722-84-1

RTECS #:MX0899000

Fraction by Wt: 0.3-2.2%

OSHA PEL:1 PPM

ACGIH TLV:1 PPM

Inged Name:DIMETHYLPHTHALATE (SARA III)

CAS:131-11-3

RTECS #:TI1575000

Fraction by Wt: 0-40%
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ORAL RAT LD50 GREATER THAN 5.0 GM/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS AN ARTICLE CONSISTING OF A
PLASTIC TUBE OR SHAPE.CONTAINING AN ACTIVATOR AND A GLASS AMPOULE
OF LUMINESCER. PRIME HEALTH HAZARD IS FROMM BROKEN GLASS IN THE
UNLIKELY EVENT THE EXTERIOR PLAS TIC CONTAINER IS RUPTURED.
Effects of Overexposure:OVER EXPOSURE IS NOT LIKELY TO CAUSE
SIGNIFICANT ACUTE EFFECTS. PRODUCT MUST BE DAMAGED IN ORDER FOR ANY
SIGNIFICANT PERSONAL CONTACT TO OCCUR. EYE:GLASS CHIPS MAY CAUSE
PHYSICAL INJURY. SKIN:NO IRRIT ATION OBSERVED WITH ANIMAL TESTS,SO
NO HUMAN IRRITATION EXPECTED.
Medical Cond Aggravated by Exposure:NONE KNOWN.

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First Aid Measures
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First Aid:EYE:FLUSH WITH WATER AS PRODUCT MAY CONTAIN GLASS CHIPS. IF
IRRITATION PERSISTS,GET MEDICAL ATTENTION. SKIN:WASH WITH SOAP &
WATER.

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Fire Fighting Measures
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Flash Point:>200F/93C
Extinguishing Media:WATER SPRAY,CARBON DIOXIDE,DRY CHEMICAL.
Fire Fighting Procedures:USE WATER SPRAY TO COOL FIRE EXPOSED
CONTAINERS. WEAR SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures
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Spill Release Procedures:ABSORB WITH INERT MATERIAL. FLUSH AREA WITH
WATER.
Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:NO SPECIAL HANDLING OR STORAGE
SPECIFIED BY MFR.

=====
Exposure Controls/Personal Protection
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Respiratory Protection:NONE NECESSARY UNLESS PRODUCT IS BROKEN. USE
NIOSH CARTRIDGE OR SUPPLIED AIR RESPIRATOR IF TLV'S ARE EXCEEDED.
Ventilation:NONE NECESSARY.
Protective Gloves:NONE NECESSARY.
Eye Protection:SAFETY GLASSES.
Work Hygienic Practices:USE NORMAL GOOD PERSONAL HYGIENE PRACTICE.
Supplemental Safety and Health
MFR ALSO SELLS PRODUCT UNDER THE FOLLOWING TRADE NAMES:LIGHT-UP,LUNKER
LIGHTS,LITE-ROPE,GLOW STICK,LIGHT SHAPE,PML,MAGIC IN THE NIGHT.

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Physical/Chemical Properties
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HCC:N1

Spec Gravity:1.05

Solubility in Water:IMMISCIBLE

Appearance and Odor:6 IN PLASTIC WAND EMITTING GREEN LIGHT WHEN
ACTIVATED.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NONE REPORTED.

Stability Condition to Avoid:NONE REPORTED.

Hazardous Decomposition Products:NORMAL PRODUCTS OF COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE, LOCAL REGULATIONS.

HMIS:PRODUCT SHOULD QUALIFY AS ORDINARY WASTE.

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