

MARTIN ELECTRONICS INC -- MK 131 MARINE SMOKE SIGNAL, 6263351 -- 1370-01-252-0318
===== Product Identification =====

Product ID:MK 131 MARINE SMOKE SIGNAL, 6263351

MSDS Date:10/31/1994

FSC:1370

NIIN:01-252-0318

MSDS Number: BWRFJ

=== Responsible Party ===

Company Name:MARTIN ELECTRONICS INC

Address:ROUTE 1 BOX 700

City:PERRY

State:FL

ZIP:32347

Country:US

Info Phone Num:904-584-2634

Emergency Phone

Num:904-584-2634

CAGE:4A902

=== Contractor Identification ===

Company Name:MARTIN ELECTRONICS INC

Address:ROUTE 1 BOX 700

Box:City:PERRY

State:FL

ZIP:32347

Country:US

Phone:904-584-2634

CAGE:4A902

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

Ingred Name:STEARIC ACID; (STERIC ACID)

CAS:57-11-4

RTECS #:WI2800000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:HEXANE; (N-HEXANE) (CERCLA)

CAS:110-54-3

RTECS #:MN9275000

OSHA PEL:500 PPM

ACGIH TLV:50 PPM

EPA Rpt Qty:1 LB

DOT Rpt Q

ty:1 LB

Ingred Name:ACETONE (SARA 313) (CERCLA)

CAS:67-64-1

RTECS #:AL3150000

OSHA PEL:1000 PPM

ACGIH TLV:750 PPM;1000 STEL

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SILICON; (SILICONE)

CAS:7440-21-3

RTECS #:VW0400000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:POTASSIUM NITRATE

CAS:7757-79-1

RTECS #:TT3700000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:ETHYLENE 1,1-DIFLUORO-, (VINYLIDENE FLUORIDE); (VINYLIDENE FLUORIDE)

CAS:75-38-7

RTECS #:KW0560000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:PROPENE, HEXAFLUORO-; (HEXAFLUOROPROPYLENE)

CAS:116-15-4

RTECS #:UD0350000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:CHLORIC ACID, POTASSIUM SALT; (POTASSIUM CHLORATE) (MFR'S CAS NO:3811-97-6)

CAS:3811-04-9

RTECS #:FO0350000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:DISPERSE RED 9 DYE

CAS:82-38-2

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:C.I. ACID YELLOW 3; (SOLVENT YELLOW 33 DYE)

CAS:8004-92-0

RTECS #:GC5796000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:SUPP DAT

A:INCIDENT IS A BREATHING HAZARD.
RTECS #:9999999ZZ

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===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:INHAL/SKIN/EYE:MINOR IRRITATION.
INGEST:NOT A VIABLE ROUTE. CHRONIC:INHAL/SKIN:MINOR IRRITATION.
INGEST:NOT A VIABLE ROUTE. CARCINOGENITY:POSSIBLE WHEN EXPOSED TO
DECO
MPOSITION PRODUCTS AT HIGH CONCENTRATIONS.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE KNOWN OR REPORTED.

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===== First Aid Measures =====

First Aid:INGEST:CALL MD IMMEDIATELY . EYES:IMMEDIATELY FLUSH W/LARGE
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING
UPPER & LOWER EYELIDS. IF IRRITATION DEVELOPS, CALL MD. SKIN:FOR
BURNS USE STANDARD FIRST A
ID METHODS. INHAL:REMOVE TO FRESH AIR.
CONSULT MD IF IRRITATION OCCURS.

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===== Fire Fighting Measures =====

Extinguishing Media:WATER SPRAY. APPLY BY MECH MEANS ONLY. FIGHT ALL
FIRES FROM REMOTE & EXPLO RESISTANT SITE. EVACUATE ALL NON-ESSNTL
PERS.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT . USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:EXPLOSIVE.

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===== Accident
al Release Measures =====

Spill Release Procedures:CONSULT FED, STATE & LOC REGS FOR ANY
REPORTING/NOTIFICATION REQUIREMENTS. THIS PROD MAY REPRESENT EXPLO
HAZ. REMOVE ALL SOURCES OF IGNIT. STOP SOURCE OF SPILL AS SOON AS
POSS & NOTIFY APPROP PERS. MA TL SPILL SHOULD ONLY BE ADDRESSED BY
PERS (SUPDAT)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A C

COOL, DRY PLACE AWAY FROM

ALL SOURCES OF IGNITION. DO NOT STORE AT TEMPERATURES >65.5C(150F).

DO NOT SUBJECT TO MECHANICAL SHOCK.

Other Precautions: SHELF LIFE LIMITATIONS: INDEFINITE AT 50-90F & 35%

RELATIVE HUMIDITY. PACKAGE ONLY IN DOT APPROVED CONTAINERS. AVOID SKIN CONTACT W/MATERIALS & DECOMPOSITION PRODUCTS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . RES

PIRATORY PROTECTION NOT NORMALLY NEEDED.

AVOID PROLONGED BREATHING OF DECOMPOSITION PRODUCTS.

Ventilation: USE ONLY IN OPEN AREAS W/ADEQUATE VENTILATION.

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

SPILL PROC: EXPER IN HNDLG ENERGETIC MATLS. USE NON-SPARKING TOOLS &

AVOID SUBJECTING MATLS TO MECH SHOCK. IF ADDNL MATL MANAGEMENT INFO IS REQD, PLEASE CONT MEI AT (904) 584-2634. NO EXTRA PROT REQD B EYOND THAT LISTED. IN CASE OF FIRE, USE NORMAL FIRE-FIGHTING EQUIP. USE NIOSH/MSHA APPRVD SCBA IF SMOKE FROM (ING 11)

===== Physical/Chemical Properties =====

Decomp Temp: Decomp Text: >180F, >82C

Appearance and Odor: 6" LONG X 2" DIAMETER MOLDED PLASTIC HOUSING W/REMOVABLE PLASTIC CAP; NO ODOR.

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

Stability Indicator/Materials to Avoid: YES

Stability Condition to Avoid: OPEN FLAMES. TEMPERATURES >82C.

Hazardous Decomposition Products: COMPOUNDS OF FLUOROCARBONS & CARBON DIOXIDE.

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

Waste Disposal Methods: DISPOSAL OF MATERIAL, DECOMPOSITION PRODUCTS & EMPTY CONTAINERS I/A/W ALL LOCAL, STATE & FEDERAL REGULATIONS.

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gencies):

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