

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 Phon

e 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

Qty: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 DA

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

=====
===== 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
DEC
OMPOSITION PRODUCTS AT HIGH CONCENTRATIONS.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE KNOWN OR REPORTED.

=====
===== 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
AID METHODS. INHAL:REMOVE TO FRESH AIR.
CONSULT MD IF IRRITATION OCCURS.

=====
===== 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.

=====
===== Acciden
tal 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.

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

Handling and Storage Precautions:STORE IN A

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 . RE

SPIRATORY 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.

Disclaimer (provided with this information by the compiling

agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.