

MARTIN ELECTRONICS INC -- MK 132 MARINE FLARE SIGNAL, 6263352 -- 1370-01-252-0317
===== Product Identification =====

Product ID:MK 132 MARINE FLARE SIGNAL, 6263352

MSDS Date:10/31/1994

FSC:1370

NIIN:01-252-0317

MSDS Number: BWRXY

=== 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

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Box:City:PERRY

State:FL

ZIP:32347

Country:US

Phone:904-584-2634

CAGE:4A902

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

Ingred Name:MAGNESIUM

CAS:7439-95-4

RTECS #:OM2100000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:STRONTIUM NITRATE

CAS:10042-76-9

RTECS #:WK9800000

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:PERCHLORIC ACID, POTASSIUM SALT (1:1); (P

OTASSIUM
PERCHLORATE)
CAS:7778-74-7
RTECS #:SC9700000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ETHYLENE, CHLORO-, POLYMER; (POLYVINYL CHLORIDE)
CAS:9002-86-2
RTECS #:KV0350000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ASPHALT; (ASPHALTUM)
CAS:8052-42-4
RTECS #:CI9900000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:LEAD TRINITRORESORCINATE; (LEAD STYPHNATE) MFR CAS #
15245-44-0
CAS:15345-44-0
RTECS #:OG6425000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:NAPHTHACENE; (TETRACENE)
CAS:92-24-0
RT
ECS #:QI7605000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ANTIMONY TRISULFIDE; (ANTIMONY SULFIDE)
CAS:1345-04-6
RTECS #:CC9450000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:BARIUM (II) NITRATE (1:2); (BARIUM NITRATE) MFR CAS #
13465-94-6
CAS:1022-31-8
RTECS #:CQ9625000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:ZIRCONIUM
CAS:7440-67-7
RTECS #:ZH7070000
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3; 10 STEL

Ingred Name:LEAD DIOXIDE; (LEAD OXIDE)
CAS:1309-60-0
RTECS #:OG0700000
OSHA PEL:N/K
ACGIH TLV:N/

K

Ingred Name:METHANE, DICHLORO-; (METHYLENE CHLORIDE) (SARA 313)
(CERCLA)
CAS:75-09-2
RTECS #:PA8050000
OSHA PEL:500 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POLY-2-METHYL-5-VINYL TETRAZOLI(PMVT)
OSHA PEL:500 PPM
ACGIH TLV:50 PPM

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OS

HA:NO

Health Hazards Acute and Chronic:CHLOROCARBON MATLS HAVE PRDCED SENSIT
OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR
EFT IN HUMANS. ADRENOMIMETICS (EG, EPINEPHRINE) MAY BE
CONTRA-INDICATED EXCEPT FOR LIFE-SUSTAININ G USES IN HUMANS
ACUTELY/CHRONICALLY EXPOSED TO CHLOROCARBONS . INHAL/SKIN/EYES:
MINOR IRRIT. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:METHYLENE CHLORIDE:IARC MONO SUPP, V7,
PG 194, 1987:GRP 2B. NTP 7TH ANNUAL RPT ON CARCINS, 19

94:ANTIC

CARCIN. (SUPDAT)

Effects of Overexposure:HLTH HAZ: CHRONIC: LEAD APPEARS ON NAVY LIST OF
OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH
PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS
INFO . INHAL: MAY CAU SE DAMAGE TO BLOOD & CENTRAL NERVOUS SYSTEM.
POSS CARCIN WHEN EXPOS TO DECOMP PRODS AT HIGH CONCS. SKIN: MINOR
IRRIT.

Medical Cond Aggravated by Exposure:NONE KNOWN OR REPORTED.

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

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

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

Extinguishing Media:WATER SPRAY. APPLY BEST MEANS ONLY. FIGHT ALL FIRES FROM REMOTE & EXPLO RESISTANT SITE. EVACUATE ALL NON-ESSENTIAL PERS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE .

===== Accidental Release Measures =====

Spill Release Procedures:CONSULT FED, STATE & LOCAL REGS FOR ANY REQUIREMENTS. PROD MAY REPRESENT EXPLO HAZ. REMOVE ALL SOURCES OF IGNIT. STOP SOURCE AS SOON AS POSS & NOTIFY APPROP PERS. SPILL SHOULD ONLY BE ADDRESSED BY PERS EXPERIENCED IN HANDLING (SUPERVISOR)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM ALL SOURCES OF IGNITION. DO NOT STORE AT TEMPERATURE ABOVE 150°F (65.5°C). DO NOT SUBJECT TO MECHANICAL SHOCK.

Other Precautions:NO SMOKING IN AREA OF USE. DO NOT USE IN GENERAL VICINITY OF ARC WELDING, OPEN FLAMES/HOT SURFACES. HEAT &/OR UV RADIATION MAY CAUSE FORMATION OF HCL &/OR PHOSGENE . SHELF LIFE INDEFINITE @ 50-90°F & 35% RELATIVE HUMIDITY. PACKAGE ONLY IN DOT APPROVED CONTAINER.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN . RESPIRATORY PROTECTION NOT NORMALLY NEEDED.

AVOID PROLONGED BREATHING OF DECOMPOSITION PRODUCTS.
Ventilation:USE ONLY IN OPEN AREAS WITH ADEQUATE VENTILATION.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS .
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLAN OF CARCIN:ANIMAL:LUNG, LIVER,SALIVARY, MAMMARY GLAND(TUMOR).

SPILL PROC:ENERGETIC MATL. USE NON-SPK TOOLS & AVOID SUBJECT MATL TO MECH

SHOCK. IF ADDNL MATL MANAGEMENT INFO REQD, CNTCT MFR AT 90

4-584-2634. IN CASE OF FIRE, USE NORM FIRE-FIGHT EQUIP. USE

NIOSH/MSHA APPRVD SCBA IF SMOKE FROM INCIDENT IS BRTHG HAZ.

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

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

Appearance and Odor:6" LONG X 2" DIAMETER MOLDED PLASTIC HOUSING
W/REMOVABLE PLASTIC CAP.

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

Stability Indicator/Materials to Avoid:YES

NOT APPLICABLE.

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

Hazardous Decomposition Products:HCL, PHOSGENE . COMPOUNDS OF LEAD,
BARIUM, CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSAL OF MATERIAL, DECOMPOSITION PRODUCTS AND
EMPTY CONTAINERS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL
REGULATIONS.

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