

MORTON INTL -- THIOKOL MC-236 ACCELERATOR -- 8030-00-753-4598

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Product Identification
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Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-753-4598

Kit Part:Y

MSDS Number: BZLHH

=== Responsible Party ===

Company Name:MORTON INTL

Address:7341 ANACONDA AVE

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837

Emergency Phone Num:800-424-9300

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reparer's Name:DAVID B WIENCKOWSKI

CAGE:0U317

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL AEROSPACE POLYMER SYSTEMS

Address:7341 ANACONDA AVENUE

Box:City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Phone:714-373-2837

CAGE:0U317

Company Name:MORTON INTERNATIONAL, INC.

Address:100 NORTH RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-1598

Country:US

Phone:312-807-2000;714-730-4200

CAGE:03UL8

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Composition/Information on Ingredients
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Ingred Na

me:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 60-70%
OSHA PEL:5 MG/CUM
ACGIH TLV:5 MG/CUM (MN)

Ingred Name:HYDROGENATED TERPHENYLS
CAS:61788-32-7
RTECS #:WZ6535000
Fraction by Wt: 10-30%
Other REC Limits:4.7 MG/CUM
ACGIH TLV:5 MG/CUM

Ingred Name:TERPHENYLS
CAS:92-94-4
RTECS #:WZ6475000
Fraction by Wt: 1-5%
Other REC Limits:0.5 PPM
OSHA PEL:9 MG/CUM
ACGIH TLV:5 MG/CUM

Ingred Name:POLYOXYETHYLENE NONYL PHENYL PHOSPHATE 93/4
CAS:51811-79-1
Fraction by Wt: 1-5%

Ingred Name
:1,3-DIPHENYL GUANADINE
CAS:102-06-7
RTECS #:MF0875000
Fraction by Wt: 1-5%

Ingred Name:SODIUM HYDROXIDE, CAUSTIC SODA, LYE
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 1-5%
Other REC Limits:2MG/M3 CEILING NIOSH
OSHA PEL:2 MG/CUM
ACGIH TLV:2 MG/CUM CEILING
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 10,000MG/KG MANGANESE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Ca

rcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: MILD TO MODERATE IRRITATION.

SKIN: IRRITATION, HYPERSENSITIVITY REACTIONS. INGESTION:

GASTROINTESTINAL IRRITATION. TOXICITY MAY EFFECT THE FOLLOWING:

LIVER, KIDNEY, IMMUNE SYSTEM.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION-DIZZINESS, HEADACHES,

INCOORDINATION. INGESTION-NAUSEA, VOMITING, GASTROINTESTINAL UPSET.

Medical Cond Aggravated by Exposure:LIVER, KIDNEY, SKIN & IMMUNE

SYSTEM

AND/OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYES: FLUSH W/WATER FOR 15 MINS. SKIN: REMOVE CLOTHING/SHOES.

WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR, IF NOT

BREATHING, GIVE CPR IF NEEDED. INGESTION: UNLESS OTHERWISE ADVISED,

INDUCE VO MITING W/SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER/

STICK FINGER DOWN THROAT. GIVE NOTHING BY MOUTN IF VICTIM IS

UNCONSCIOUS. OBTAIN MEDICAL ATTE

NTION IN ALL CASES.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Extinguishing Media:SMALL FIRES: DRY CHEMICAL, CO2, HALON, WATER SPRAY,

FOAM. LARGE FIRES: WATER SPRAY, FOG, ALCOHOL FOAM.

Fire Fighting Procedures:THOSE WHO MAY BE EXPOSED TO THE PRODUCTS OF

COMBUSTION SHOULD BE EQUIPPED W/NIOSH APPROVED POSITIVE PRESSURE

SCBA & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NONE KNOWN.

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

Spill Release Procedures:SHOVEL OR VACUUM SPILLED PRODUCT & PLACE IN

CLOSED CONTAINERS FOR FURTHER HANDLING & DISPOSAL. DON'T FLUSH TO

SEWER, STREAM/ OTHER BODIES OF WATER. EVACUATE AREA/USE SUPPLIED

AIR RESPIRATOR/ SCBA.

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

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

AREA. CONTAINER CAN BE HAZARDOUS WHEN EMPTY.

Other Precautions:BECAUSE T

HE CONTAINER CAN RETAIN PRODUCT RESIDUES,
DON'T REUSE FOR FOOD, CLOTHING OR PRODUCTS FOR HUMAN OR ANIMAL
CONSUMPTION/ WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED EQUIPMENT DETERMINED
FOR SPECIFIC APPLICATION BY CONSULTING THE RESPIRATOR MANUFACTURER.
HIGH AIRBORNE CONCENTRATIONS NECESSITATE THE USE OF SCBA/SUPPLIED
AIR RESPIRATOR.

Ventilation:LOCAL EXHAUST IS RECOMMENDED WH
EN VAPORS, MISTS/DUSTS CAN
BE RELEASED. GENERAL DILUTION IS ADEQUATE.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH FACILITY SHOULD BE READILY
AVAILABLE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. CONTAMINATED
CLOTHING & SHOES SHOULD BE REMOVED, THOROUGHLY CLEANED & DRIED
BEFORE REUSE

Supplemental Safety and Health

KEY1:N1. THIS ENTRY DESCRIBES THE ACCELERATOR OF A TWO PART KIT. SEE
THIS SAME

NSN, THIOKOL MC-236, BASE TYPE II, FOR SECOND PART OF
KIT. EMERGENCY FIRST AID CONT'D: NOTE TO PHYSICIAN: TREATMENT SHOUL
D BE DIRECTED AT PREVENTING ABSORPTION,ADMINISTERING TO THE
SYMPTOMS AS THEY OCCUR & PROVIDING SUPPORTIVE THERAPY.

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

HCC:F3

Vapor Pres:0.1

Spec Gravity:2.1

Evaporation Rate & Reference: