

MORTON -- THIOKOL MC-236 ACCELERATOR -- 8030-00-685-0915

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Product Identification
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Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:12/16/1996

FSC:8030

NIIN:00-685-0915

Kit Part:Y

MSDS Number: CHKHM

=== Responsible Party ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Info Phone Num:714-373-2837

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's

Name:DAVID WIENCKOWSKI

CAGE:KO006

=== Contractor Identification ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Phone:714-373-2837

CAGE:KO006

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

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Composition/Information on Ingredients
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Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fr

action by Wt: 60-70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:HYDROGENATED TERPHENYLS
CAS:61788-32-7
RTECS #:WZ6535000
Fraction by Wt: 20-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM
ACGIH TLV:0.5 PPM-CEILING

Ingred Name:1,3 DIPHENYL GUANIDINE
CAS:102-06-7
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TERPHENYL
CAS:26140-60-3
RTECS #:WZ6450000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM-CEILING
ACGIH TLV:0.53 PPM-CEILING

Ingred Name:POLYOXYETHYLENE NONYL PHENYL PHOSPHATE
CAS:51811-79-1
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:*
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: SLIGHT TO MODERATE IRRITATION,
BURNS. SKIN: SLIGHT TO MILD IRRITATION, ALLERGIC REACTION,
SENSITIZATION, BURNS. INHAL: IRRITATION, DIZZY, HEADACHE,
INCOORDINATION, RESPIRATORY TRACT IRRIT. INGEST : IRRIT, NAUSEA,
VOMIT, ABDOMINAL PAIN,DIARRHEA. LIVER DAMAGE.
Medical Cond Aggravated by Exposure:LIVER, KIDNEY, LUNGS AND
RESPIRATORY SYSTEM, SKIN, IMMUNE SYSTEM & CHEMICAL ALLERGIES.

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

First Aid:EYE: FLUSH W/WATER 15 MINUTES, GET MED AID. SKIN: WASH W/SOAP
& WATER. REMOVE CONTAM CLOTHES/SHOES, WASH BEFORE REUSE. GET MED
AID. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR/ARTIF
RESP. GET MED AID. INGEST: INDUCE VOMIT. NEVERGIVE ANYTHING BY
MOUTH TO UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:SCC
Flash Point:>200F
,>93C
Extinguishing Media:SM FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALON,
WATER SPRAY, FOAM. LG FIRES: WATER SPRAY, FOG, ALCOHOL FOAM.
Fire Fighting Procedures:NIOSH APPROVED POSITIVE PRESSURE SCBA AND FULL
PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:IRRITATING & HIGHLY TOXIC GASES MAY BE
GENERATED.

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

Spill Release Procedures:COVER SPILL W/ABSORBENT. PLACE IN CLOSED
CONTAINERS. ISOLATE AREA, EVACUATE. ELIMI
NATE IGNITION SOURCES.
STOP LEAK. DIKE/CONTAIN MATERIAL. DONT CONTAM SOIL/SEWERS/BODIES OF
WATER. RQ FOR SODIUM HYDR OXIDE 1000 LBS.

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

Handling and Storage Precautions:STORE IN COOL, DRY WELL VENTED AREA
AWAY FROM HEAT/IGNITION SOURCES/DIRECT SUNLIGHT. KEEP CONTAINERS
TIGHTLY CLOSED.

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

Respiratory Protection:AVOID BREATHING VAPORS/MISTS. WEAR N

IOSH/MSHA

APPROVED RESPIRATOR, SCBA OR SUPPLIED AIR RESPIRATOR IN COMPLIANCE
W/29CFR 1910.134.

Ventilation:LOCAL EXHAUST

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYEWASH FACILITY

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING, BEFORE
EATING/DRINKING/SMOKING/RESTROOM. WASH EQUIPMENT.

Supplemental Safety and Health

* TERPHENYL HYDROGENATED LD50 17500 MG/KG ORAL RAT 12500 MG/KG ORAL
MOUSE 2000 MG/KG DERMAL RABBIT. DIPHENY

L GUANIDINE LD50 507 MG/KG

ORAL RAT 280 MG/KG ORAL MOUSE TERPHENYL 13200 MG/KG ORAL RAT. LD50
ETHXOLATED NONYLPHENYL PHOSPHATE LD50 3630MG/KG ORAL RAT SODIUM
HYDROXIDE LD50 1000 MG/KG DERMAL RABBIT.

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

Boiling Pt:B.P. Text:NA

Decomp Temp:Decomp Text:NA

Vapor Pres:0.1

Vapor Density:>1.0

Spec Gravity:2.1

pH:NA

Evaporation Rate & Reference: