

MORTON -- THIOKOL MC-236 ACCELERATOR -- 8030-00-753-5009

===== Product Identification =====

Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:12/16/1996

FSC:8030

NIIN:00-753-5009

Kit Part:Y

MSDS Number: CFNBJ

=== Responsible Party ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837

Emergency Phone Num:714-373-2837

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

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

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 60-70%

Other REC Lim

its: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

Ingred Name:TERPHENYL

CAS:26140-60-3

RTECS #:WZ6450000

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

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:1,3 DIPHE

NYL GUANIDINE,

CAS:102-06-7

RTECS #:MF0875000

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

Ingred Name:NON-HAZARDOUS INGREDIENTS

Fraction by Wt: BALANCE

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:

YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: IRRIT. SKIN: IRRIT, ALLERGIC REACTIONS, SENSITIZATION. INGEST: IRRIT (NAUSEA, VOMITING, PAIN, GI UPSET). INHAL: IRRIT (DIZZINESS, HEADACHE, INCOORDINATION). MAY AFFECT LIVER, KIDNEYS, NS, BLOOD, BLOOD FORMING ORGANS, LUNGS, RESPIRATORY SYSTEM, REPRODUCTIVE SYSTEM/EFFECTS, EYES, SKIN & IMMUNE SYSTEM.

Medical Cond Aggravated by Exposure:LIVER, KIDNEY, LUNGS, RESPIRATORY

SYSTEM, SKIN, IMMUNE SYSTEM OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:SKIN: IMMEDIATELY FLUSH W/WATER. REMOVE CONTAM CLOTHING & SHOES, PROFESSIONALLY WASH BEFOR REUSE. GET MED AID. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR >15 MINUTES. GET MED AID. INHAL: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. INGEST: GET PROMP MED AID. INDUCE VOMIT AS DIRECTED BY DR. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, FOAM. LARGE FIRES: WATER SPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures:USE A NIOSH APPROVED, POSITIVE PRESSURE SCBA AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:EVAC AREA. ELIINATE IGNITS. STOP SPILL IF SAFE. DIKE. WEAR APPROPRIATE PROT EQPT, AIR SUPPLIED RESP OR SCBA IN ENCLOSED SPACE OR IF LIMITS EXCEEDED. ABSORB. CONTAINERIZE. REPORT SPILL IF REQUIRED. CER CLA RQ FOR SODIUM HYDROXIDE, 1000 LBS.

Neutralizing Agent:NA

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

Handling and Storage Precautions:STORE IN A COOL, D

RY, WELL-VENTILATED

PLACE. AWAY FROM IGNITION SOURCES. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE, DONT REUSE W/O PROFESSIONAL CLEANING.

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING PRODUCT AND BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM.

Supplemental Safety and Health

NK

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

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Stability Indicator/Materials to Avoid:YES

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Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN AND METALLIC OXIDE.

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

Waste Disposal Methods:IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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