

MORTON -- THIOKOL MC-215 ACCELERATOR. -- 8030-00-152-0062

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Product Identification
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Product ID:THIOKOL MC-215 ACCELERATOR.

MSDS Date:10/29/1996

FSC:8030

NIIN:00-152-0062

Kit Part:Y

MSDS Number: CFMYC

=== 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 OXIDE (SARA 313)

CAS:1313-13-9

RTECS #:O

P0350000

Fraction by Wt: 60-100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3 CEILING

ACGIH TLV:1 MG/M3

Ingred Name:HYDROGENATED TERPHENYLS (ORAL LD50 17500 MG/KG RAT DERMAL
>2000 MG/KG RABBIT

CAS:61788-32-7

RTECS #:WZ6535000

Fraction by Wt: 10-30.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 PPM

ACGIH TLV:0.5 PPM CEILING

Ingred Name:1,3 DIPHENYL GUANIDINE (ORAL LD50 507/MG/KG RAT)

CAS:102-06-7

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:TERPHENYL (ORAL
LD50 13200 MG/KG RAT)

CAS:26140-60-3

RTECS #:WZ6450000

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 PPM CEILING

ACGIH TLV:0.53 PPM CEILING

Ingred Name:ETHOXYLATED NONYL PHENYL PHOSPHATE (ORAL LD50 3630 MG/KG
RAT)

CAS:51811-79-1

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA) (DERMAL LD50 1000 MG/KG RABBIT)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TL

V:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:(NON-HAZARDOUS & OTHER INGREDIENTS) PROPRIETARY INGREDIENT
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:EYE: IRRITATION. SKIN: IRRITATION,
ALLERGIC REACTION, SENSITIZATION. INHAL: IRRITATION, DIZZINESS,

HEADACHE, INCOORDINATION. INGEST: IRRITATION, NAUSEA, VOMITING,
PAIN, STOMACH UPSET, DIARRHEA. MAY EF FECT LIVER, KIDNEYS, NERVOUS
SYSTEM, BLOOD, BLOOD FORMING ORGANS, LUNGS, RESPIRATORY SYSTEM,
REPRODUCTIVE SYSTEM, EYES *

Effects of Overexposure:NK * SKIN & IMMUNE SYSTEM.
Medical Cond Aggravated by Exposure:LIVER, KIDNEYS, LUNGS, RSPIRATORY
SYSTEM, SKIN, IMMUNE SYSTEM & SPECIFIC CHEMICAL ALLERGY.

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

First
Aid:EYE: FLUSH W/WATER FOR >15 MINUTES, GET IMMED MED AID. SKIN:
IMMED FLUSH W/WATER, REMOVE CONTAM CLOTHES/SHOES. PROFESSIONALLY
WASH BEFORE REUSE. GET MED AID. INHAL: GET FRESH AIR. GET IMMED MED
AID. I F NOT BREATHING, GIVE ARTIF RESP. INGEST: GET MED AID.
INDUCE VOMIT AS DIRECTED BY DOCTOR. NEVER GIVE ANYTHING BY MOUTH TO
UNCONSCIOUS PERSON.

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

Flash Point Method:SCC
Flash Point:>200F,>93C
Lower Limits:NA

Upper Limits:NA
Extinguishing Media:SMALL FIRE: DRY CHEMICAL, CARBON DIOXIDE, HALON,
WATER SPRAY, FOAM. LARGE FIRE: WATER SPRAY, FOG, ALCOHOL, FOAM.
Fire Fighting Procedures:USE NIOSH APPROVED POSITIVE PRESSURE SCBA
W/FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:DURING A FIRE IRRITATING/HIGHLY TOXIC
GASES MAY BE GENERATED.

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

Spill Release Procedures:EVAC AREA. STOP SPILL IF SAFE. DIKE. USE
APPROPRIATE

SAFETY MEASURES & PROTECTIVE EQUIPMENT: USE SUPPLIED
AIR RESPIRATOR OR SCBA. ABSORB, CONTAINERIZE. REPORT IF REQUIRED.
CERCLA RQ FOR SODIUM HYDROXIDE, 1000 LBS.

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL VENTED AREA
AWAY FROM IGNITION SOURCES. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions: CONTAINER RETAINS RESIDUE. DON'T REUSE CONTAINER W/OUT
PROFESSIONAL CLEANING.

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

Respiratory Protection: USE NIOSH/MSHA APPROVED EQUIPMENT. USE SCBA OR
AIR SUPPLIED RESPIRATOR IN HIGH AIRBORNE CONCENTRATIONS.
Ventilation: LOCAL EXHAUST RECOMMENDED.
Protective Gloves: IMPERVIOUS.
Eye Protection: CHEMICAL SPLASH GOGGLES.
Other Protective Equipment: EYEWASH FACILITY, PROTECTIVE CLOTHING.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING, BEFORE
EATING/DRINKING/SMOKING/USING RESTROOM. WASH CONTACT GOGGLES/FACE
SHIELD/GLOVES.

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Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Vapor Pressure: 0.1
Vapor Density: >1.0
Specific Gravity: 2.1
pH: NA
Evaporation Rate & Reference: