

MORTON -- THIOKOL MC-215 ACCELERATOR. -- 8030-00-584-4399

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

Product ID:THIOKOL MC-215 ACCELERATOR.

MSDS Date:10/29/1996

FSC:8030

NIIN:00-584-4399

Kit Part:Y

MSDS Number: CFMZN

=== 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

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

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

=====  
===== 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.

=====  
===== 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.

=====  
===== 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.

=====  
===== 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.

===== 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.

===== 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.

S  
Supplemental Safety and Health  
MORE INFORMATION ON FILE.

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

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