

MORTON -- THIOKOL MC-275 ACCELERATOR -- 8030-00-602-0045

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Product Identification  
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Product ID:THIOKOL MC-275 ACCELERATOR  
MSDS Date:04/16/1993  
FSC:8030  
NIIN:00-602-0045  
Kit Part:Y  
MSDS Number: CHKHG  
=== 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)  
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  
Fraction by Wt: 66.4%  
Other REC Limi

ts:NONE RECOMMENDED  
ACGIH TLV:1 MG/M3/STEL 3MG/M3

Ingred Name:HYDROGENATED TERPHENYLS LD50 >10000 MG/KG ORAL RAT  
CAS:61788-32-7  
RTECS #:WZ6535000  
Fraction by Wt: 22.7%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM CEILING  
ACGIH TLV:0.5 PPM

Ingred Name:TERPHENYL LD50 13200 MG/KG ORAL RAT  
CAS:26140-60-3  
RTECS #:WZ6450000  
Fraction by Wt: 0.19%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM  
ACGIH TLV:0.5 PPM

Ingred Name:EXOLATED NONYL PHENYL PHOSPHATE LD50 36.30 MG/KG ORAL RAT  
CAS:51811-79-1  
Fraction by Wt: 2.9%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3 DIPHENYL GUANIDINE LD50 507 MG/KG ORAL RAT LD50 290  
MG/KG ORAL MOUSE  
CAS:102-06-7  
Fraction by Wt: 4.8%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: 0.7%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3 CEILING  
ACGIH TLV:2 MG/M3 CEILING  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

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Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: IRRIT, REDNESS, PAIN, BURNS,  
CORNEAL CLOUDING, BLINDNESS CORROSIVE. SKIN: IRRIT, REDNESS, PAIN,  
BLISTERS, BURNS. ABSORBED THROUGH SKIN, SENSITIZATION, CORROSIVE.  
INHAL: IRRIT TO MUCOUS MEMBRANE, COUGHING, BREATHING DIFFICULT,  
CORROSIVE. INGEST: GI IRRIT, NAUSEA, VOMITING & GI UPSET, ABDOMINAL  
PAIN, FEVER, LIVER \*

Effects of

Overexposure:\* KIDNEY DAMAGE, EYE, SKIN IMMUNE SYSTEM AND  
ALLERGIC REACTION. HEADACHE, NAUSEA, DIARRHEA, ANEMIA, BURNS TO  
MOUTH/THROAT PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:LIVER/KIDNEY, SKIN, IMMUNE, SYSTEM,  
CHEMICAL ALLERGIES.

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

First Aid:EYES: FLUSH W/WATER FOR 15 MINUTES, LIFT LIDS. GET MED AID.  
SKIN: WASH W/SOAP & WATER. REMOVE CONTAM CLOTHES/SHOES, WASH BEFORE  
REUSE. INHAL: REMOVE TO FR  
ESH AIR, GET MED AID. ARTIF RESP/CPR IF  
BREATH ING DIFFICULT. INGEST: INDUCE VOMITING W/SYRUP OF IPECAC,  
DRINK 2 GLASSES WATER OR STICK FINGER DOWN THROAT. DONT GIVE  
ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. GET MED AID.

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

Flash Point Method:SCC  
Flash Point:>200F,>93C  
Lower Limits:NA  
Upper Limits:NA  
Extinguishing Media:SM FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALON,  
WATER SPRAY OR FOAM. LG FIRE: WATER SPRAY, FOG O  
R ALCOHOL FOAM.  
Fire Fighting Procedures:NIOSH APPROVED POSITIVE PRESSURE SCBA & FULL  
PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:SHOVEL/VACUUM SPILLED PRODUCT. PLACE IN CLOSED  
CONTAINER. DO NOT FLUSH TO STREAMS/SEWERS/ANY BODIES OF WATER.

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

Handling and Storage Precautions:STORE IN COOL, DRY WELL VENTED AREA.

MPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE DO NOT REUSE CONTAINER.

Other Precautions:IF AIRBORNE CONCENTRATIONS EXCEED EXPOSURE LIMITS, EVAC & VENTILATE AREA. USE AIR SUPPLIED RESPIRATOR/SCBA IN INADEQUATELY VENTED AREAS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED EQUIPMENT. USE SCBA/SUPPLIED AIR RESPIRATOR. COMPLY W/29CFR1910.134.

Ventilation:LOCAL EXHAUST RECOMMENDED TO MAINTAIN AIRBORNE CONCENTRATIO

NS BELOW LIMITS. GENERAL DILUTION ACCEPTABLE.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYEWASH FACILITY, PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING/SMOKING/DRINKING/USING RESTROOM FACILITIES.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:NA

Vapor Pres:0.1 @ 25C

Vapor Density:>1.0

Spec Gravity:2.1 WATER = 1

pH:

NA

Evaporation Rate & Reference:>1.0

Solubility in Water:NA

Appearance and Odor:BLACK PASTE, PHENYL ODOR.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, NICKEL, COBALT, IRON OR COPPER.

Hazardous Decomposition Products:AMINES, SMOKE, SOOT AND TOXIC FUMES, OXIDES OF CARBON & METAL OXIDES.

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

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aste Disposal Methods:IF DISCARDED IN UNUSED FORM, DISPOSE OF AT  
LICENSED FACILITY ACCORDING TO FEDERAL, STATE AND LOCAL  
REGULATIONS. CONTACT EPA IF NEEDED.

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