

MORTON -- THIOKOL MC-236 ACCELERATOR -- 8030-00-753-5004

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

Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-753-5004

Kit Part:Y

MSDS Number: BYRSF

=== 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

Preparer's Name:DAVID B.WIENCKOWSKI,DABT

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 Limits:NONE RECOMMENDED

OSH

A PEL:5 MG MN/M3 CEILING  
ACGIH TLV:5 MG MN/M3

Ingred Name:HYDROGENATED TERPHENYLS  
CAS:61788-32-7  
RTECS #:WZ6535000  
Fraction by Wt: 10-30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM  
ACGIH TLV:0.5 PPM; 9495

Ingred Name:TERPHENYL  
CAS:26140-60-3  
RTECS #:WZ6450000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 1.0 PPM  
ACGIH TLV:C 0.53 PPM; 9495

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

Ingred  
Name:1,3 DIPHENYL 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:C 2 MG/M3; 9495  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NON-HAZARDOUS INGREDIENTS(PROPRIETARY INGREDIENTS)  
Fraction by Wt: 0.19%  
Other REC Limits:NONE RECOMMENDED

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

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Health Hazards Acute and Chronic:\*\*IRRITANT\*\* EYES:MAY CAUSE MILD TO MODERATE IRRITATION.SKIN:MAY CAUSE IRRITATION OR ALLERGIC REACTIONS.INGEST:MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.CHRONIC:MAY DAMAGE L IVER,KIDNEYS,EYES AND SKIN AND CAUSE ALLERGIC REACTIONS.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of

Overexposure:INHAL:DIZZINESS,HEADACHE,INCOORDINATION.INGEST:NAUSEA, VOMITING,GASTROINTESTINAL UPSET.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING LIVER,KIDNEY,SKIN,IMMUNE SYSTEM DISORDERS OR ALLERGIES MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.SEE DOCTOR IF IRRITATION DEVELOPS.EYES:FLUSH WITH WATER FOR 15 MINUTES.SEE DOCTOR IF IRRITATION DEVELOPS.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.INDUCE VOMITING WITH SYRUP OF IPECAC,FOLLOWED BY 2 GLASSES WATER OR STICK FINGER DOWN THROAT.

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

Flash Point Method:SCC  
Flash Point:>200F,>93C  
Extinguishing Media:SMALL FIRES:DRY CHEMICAL,CARBON DIOXIDE,HALON,WATER SPRAY,FOAM.LARGE FIRES:WATER SPRAY OR FOG,FOAM.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.  
Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:SHOVEL OR VACUUM;PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE SLIPPERINESS.DO NOT POLLUTE SEWERS,STREAMS OR WATERWAYS.  
Neutralizing Agent:NOT APPLICABLE.

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

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Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUE;DISPOSE OF PROPERLY.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:USE GOOD MANUFACTURING AND HANDLING PRACTICES.WASH AFTER HANDLING PRODUCT AND BEFORE EATING,DRINKING OR SMOKING.

Supplemental Safety and Health  
KEY1:N1.

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

HCC:N1

Vapor Pres:0.1

Spec Gravity:2.1

Viscosity:100-500 P

Evaporat

ion Rate & Reference: