

MORTON -- THIOKOL MC-236 ACCELERATOR -- 8030-00-753-4599

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

Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-753-4599

Kit Part:Y

MSDS Number: BYRSC

=== 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 #:OP0350

000

Fraction by Wt: 60-70%

Other REC Limits:NONE RECOMMENDED

OSHA 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 R

ECOMMENDED

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

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 N

TP,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 WATE

R FOR

15 MINUTES.SEE DOCTOR IF IRRITATION DEVELOPS.INHAL:REMOVE TO FRESH AIR.GIVE OXYGE N 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:WA

TER 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 =====

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

Evaporation Rate & Reference: