

MORTON -- THIOKOL MC-236 ACCELERATOR -- 8030-00-579-8453

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Product Identification  
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Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-579-8453

Kit Part:Y

MSDS Number: BYRRH

=== 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

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Composition/Information on Ingredients  
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Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP035

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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

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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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
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.

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xplanation 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.

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

First Aid:SKIN:RE

MOVE 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 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.

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

Flash Point Method:SCC

Flash Point:>2

00F,>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.

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

Spill Release Procedures:SHOVEL OR VACUUM;PLACE COLLECTED MATERIAL IN  
AN APPROPRIATE CONTAINER FOR DISPOSAL;CLEAN SPILL AR

EA TO REMOVE

SLIPPERINESS.DO NOT POLLUTE SEWERS,STREAMS OR WATERWAYS.

Neutralizing Agent:NOT APPLICABLE.

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===== 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.

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===== 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.

Supp

lemental Safety and Health

KEY1;J6.NOTE TO PHYSICIAN:TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION.

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

HCC:V5

Vapor Pres:0.1

Spec Gravity:2.1

Viscosity:100-500 P

Evaporation Rate & Reference: