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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 #:OP035 0000

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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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.
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First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.SEE DOCTOR IF IRRITATION DEVELOPS.EYES:FLUSH WITH WAT ER 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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Flash Point Method:SCC Flash Point:>200F,>93C Extinguishing Media:SMALL FIRES:DRY CHEMICAL.CARBON DIOXIDE.HALON.WATER

Extinguishing Media:SMALL FIRES:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY, FOAM. LARGE FIRES:W

ATER 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 VE NTILATION 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. ===================================
HC C:N1 Vapor Pres:0.1 Spec Gravity:2.1 Viscosity:100-500 P Evaporation Rate & Description Rate & Descriptio