Product ID:THIOKOL MC-236 ACCELERATOR MSDS Date:07/09/1992 FSC:8030 NIIN:00-753-5007 Kit Part:Y MSDS Number: BYRSM === 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

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 -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

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.

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.

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.

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.

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.** 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.

HCC:V5

Vapor Pres:0.1 Spec Gravity:2.1 Viscosity:100-500 P Evaporation Rate & amp; Reference: