

MORTON INTL -- THIOKOL MC-236 BASE TYPE II -- 8030-00-579-8453

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Product Identification
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Product ID:THIOKOL MC-236 BASE TYPE II

MSDS Date:07/09/1992

FSC:8030

NIIN:00-579-8453

Kit Part:Y

MSDS Number: BWCCZ

=== Responsible Party ===

Company Name:MORTON INTL

Address:7341 ANACONDA AVE

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837

Emergency Phone Num:800-424-9300

Preparer's Name:DAVID B. WIENCKOWSKI

CAGE:0U317

=== Contractor Identification ===

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:LIMESTONE/CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 30-60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 (15) MG/M3

ACGIH TLV:TWA 10 MG/M3

Ing

red Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ (SARA 313)
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 0.36%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

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

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards

Acute and Chronic:EYE CONTACT: OTHER THAN MECHANICAL

IRRITATION NO ADVERSE EFFECTS ARE EXPECTED. SKIN CONTACT:

IRRITATION CAN OCCUR FOLLOWING PROLONGED OR REPEATED CONTACT.

INHALATION: UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE EXPECTED. INGESTION: CAN CAUSE GASTROINTESTINAL UPSET.

Explanation of Carcinogenicity:QUARTZ(CRYSTALLINE SILICA) TOXIC

EFFECTS: CAN CAUSE MECHANICAL IRRITATION TO THE EYES, SKIN, & GASTROINTESTINAL TRACT

Effects of Overexposure:DEPEND

ING ON THE ROUTE, FREQUENCY, AND DURATION

OF EXPOSURE TOXICITY MAY EFFECT IN THE FOLLOWING ORGANS AND OR SYSTEMS: RESPIRATORY SYSTEM, IMMUNE SYSTEM (E.G. ALLERGIC REACTIONS).

Medical Cond Aggravated by Exposure:EXPOSURE TO THIS PRODUCT IS NOT

EXPECTED TO CONTRIBUTE TO WORSEN OR AGGRAVATE ANY EXISTING MEDICAL CONDITIONS.

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

First Aid:EYE: FLUSH EYES W/WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS,

CONSULT A PHYSICIAN. SKIN: WASH AFFECTED AREA W/SOAP & WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP. GET MEDICAL ATTENTION IMMEDIATELY. RESTORE BREATHING. INGESTION: GET MEDICAL ATTENTION. UNLESS ADVISED OTHERWISE INDUCE VOMITING. DON'T GIVE ANYTHING TO UNCONSCIOUS PERSON.

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

Flash Point Method:SCC
Flash Point:>200F,>93C
Extinguishing Media:USE AGENTS APPLIED FOR CLASS A HAZARDS (E.G. HALOGENATED AGENTS, FOAM, STEAM) OR WATER FOG.
Fire Fighting Procedures:FIRE FIGHTERS & OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH APPROVED POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING
Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:SHOVEL OR VACUUM SPILLED PRODUCT & PLACE IN CLOSED CONTAINERS FOR FURTHER HANDLING & DISPOSAL. DO NOT FLUSH TO SEWER, STREAM OR OTHER BODIES OF WATER.

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

Handling and Storage Precautions:THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY, BECAUSE IT CAN RETAIN PRODUCT RESIDUES. THEREFORE, DON'T REUSE CONTAINER FOR FOOD, CLOTHING OR PRODUCTS
Other Precautions:FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR. NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES. STORE IN COOL, DRY WELL VENTILATED AREA.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT USUALLY REQUIRED. WHEN ESTABLISHED AIRBORNE EXPOSURE LIMITS ARE SURPASSED WEAR NIOSH/MSHA APPROVED EQUIPMENT. FOR SPECIFIC APPLICATION BY CONSULTING THE RESPIRATOR MANUFACTURER. SCBA/SUPPLIED AIR MAY BE NECESSARY.
Ventilation:MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS, MECHANICAL

GENERAL, LOCAL EXHAUST ARE ACCEPTABLE

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:CHEM SPLASH GOG, SAFETY GLASSES W/SIDES

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE, IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:REMOVE & WASH CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health

CHRONIC EXPOSURE TO CRYSTALLINE SILICA DUSTS CAN CAUSE SILICOSIS, A FIBROTIC CONDITION CAUSED BY DEPOSITION OF SILICON DIOXIDE

PARTICLES. COUGH, WHEEZING, CHEST PAIN, & PROGRESSIVE IMPAIRMENT OF PULMONARY FUNCTION CHARACTERIZE A SILICOTIC CONDITION.

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

HCC:N1

Spec Gravity:1.61 (WATER=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT COLORED, OFF-WHITE PASTE, SULFIDE ODOR

Percent Volatiles by Volume:97%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:HEATED TO HIGH TEMP. MAY EMIT PHENOLICS, OXIDES OF NITROGEN & SULFUR, SMOKE, SOOT & TOXIC FUMES, HYDROGEN SULFIDE.

===== Disposal Considerations =====

Waste Disposal Methods:IF DISCARDED IN IT'S ORIGINAL UNUSED FORM, THIS PRODUCT SHOULD BE MANAGED (STORED/TREATED/DISPOSED/ETC.) AT AN AUTHORIZED FACILITY IN COMPLIANCE W/LOCAL, STATE & FEDERAL REGULATIONS. CONTACT APPROPRIATE GOVERNMENT EPA AGENCIES FOR FURTHER DISPOSAL.

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