

MORTON INTL -- THIOKOL MC-236 BASE TYPE II -- 8030-00-432-9544

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

MSDS Date:05/23/1994

FSC:8030

NIIN:00-432-9544

Kit Part:Y

MSDS Number: BZLGV

=== 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

Company Name:MORTON INTERNATIONAL, INC.

Address:100 NORTH RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-1598

Country:US

Phone:312-807-2000;714-730-4200

CAGE:03UL8

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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: 39.9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 (15) MG/M3
ACGIH TLV:TWA 10 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 2.3%
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: 0.4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGI
H TLV:0.1 MG/M3 RDUST;9293

Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: 0.02%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NON-HAZARDOUS INGREDIENTS
Fraction by Wt: 57.72%
Other REC Limits:NONE RECOMMENDED

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

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

zards Acute and Chronic:SILICA: CAN CAUSE MECHANICAL IRRITATION TO THE EYES, SKIN AND GASTROINTESTINAL TRACT. CHRONIC EXPOSURE TO SILICA DUSTS CAN CAUSE SILICOSIS, A FIBROTIC CONDITION CAUSED BY DEPOSITION IF SILICON DIOXIDE PARTICLES.

Explanation of Carcinogenicity:QUARTZ (CRYSTALLINE SILICA)

Effects of Overexposure:SILICA: COUGH, WHEEZING, CHEST PAIN, AND PROGRESSIVE IMPAIRMENT OF PULOMNARY FUNCTION CHARACTERIZE A SILICOTIC CONDITION.

Medical Cond Aggravated by Exposure:EX

POSURE TO THIS PRODUCT IS NOT

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

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===== 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 T O FRESH AIR. IF SYMPTOMS DEVELOP. GET MEDICAL ATTENTION IMMED. RESTORE BREATHING. ING ESTION: 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:STORE IN COOL, DRY, WELL VENTILATED AREA.

Other

Precautions:THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY, BECAUSE IT CAN RETAIN PRODUCT RESIDUES. THEREFORE, DO NOT REUSE CONTAINER FOR FOOD, CLOTHING OR PRODUCT FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection:A SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED FOR ENTRY INTO ENCLOSED SPACES OR IN AREAS WITH INADEQUATE VENTILATION.

Ventilati

on:MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS, MECHANICAL GENERAL, LOCAL EXHAUST ARE ACCEPTABLE

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:SAFETY GLASSES

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 NOT REGULATED.

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===== 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%

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:THIS PRODUCT MAY EMIT PHENOLICS, OXIDES OF NITROGEN & SULFUR, SMOKE, SOOT & TOXIC FUMES, HYDROGEN SULFIDE.

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===== 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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