

MORTON INTL INC SPECIALTY CHEMICALS GROUP -- THIOKOL MC-236 BASE TYPE II --  
8030-00-753-5004

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===== Product Identification =====

Product ID:THIOKOL MC-236 BASE TYPE II

MSDS Date:07/09/1992

FSC:8030

NIIN:00-753-5004

Kit Part:Y

MSDS Number: BRQPS

=== Responsible Party ===

Company Name:MORTON INTL INC SPECIALTY CHEMICALS GROUP

Address:100 NORTH RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606

Country:

US

Info Phone Num:714-373-2837

Emergency Phone Num:800-424-9300 (CHEMTREC)

Preparer's Name:DAVID WIENCKOWSKI

CAGE:32063

=== Contractor Identification ===

Company Name:MORTON INTL INC SPECIALTY CHEMICALS GROUP

Address:333 W WACKER DR

City:CHICAGO

State:IL

ZIP:60606-1218

Country:US

Phone:312-807-2000

CAGE:32063

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===== Composition/Information on Ingredients =====

Ingred Name:LIMESTONE/CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 30-60%

Other REC Limits:NONE SP

ECIFIED  
OSHA PEL:5 MG/M3;15 MG/M3  
ACGIH TLV:TWA 10 MG/M3

Ingred 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:QUARTZ (CRYSTALLINE SILICA)  
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

Ingred Name:FORMALDEHYDE  
CAS:50-00-0  
RTECS #:LP8925000  
Fraction by Wt: < 0.1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:SEE 1910.1048  
ACGIH TLV:C 0.3 PPM; A2; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:NON-HAZARDOUS INGREDIENTS  
Fraction by Wt: 60-90%  
Other REC Limits:NONE SPECIFIED

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

Health Hazards Acute and Chronic:EYE: OTHER THAN MECHANICAL IRRITATION.  
NO ADVERSE EFFECTS ARE EXPECTED. SKIN: IRRITATION CAN OCCUR  
FOLLOWING PROLONGED OR REPEATED CONTACT. INHALATION: UNDER NORMAL  
CONDITIONS O

IF USE, NO ADVERSE EFFECTS ARE EXPECTED. INGESTION: CAN CAUSE NAUSEA, VOMITING & GASTROINTESTINAL UPSET.

Effects of Overexposure:DEPENDING ON THE ROUTE, FREQUENCY & 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.

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== First Aid Measures =====

First Aid:EYE: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS CONSULT A PHYSICIAN. SKIN: WASH AFFECTED AREA WITH SOAP & WATER. IF IRRITATION DEVELOPS CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. IF SYMPTOMS DEVELOP CONSULT A PHYSICIAN. INGESTION: GET MEDICAL ATTENTION. UNLESS ADVISED OTHERWISE INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH 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 HAZARD (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 SCBA & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NONE KNOWN

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

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

Handling and Storage Precautions:IF THE AIRBORNE CONCENTRATIONS EXCEEDS TLV OR PEL LIMITS EVACUATE ALL & VENTILATE THE AREA. STORE IN COOL DRY WELL VENTILATED AREA.

Other Precautions:NO SPECIAL PRECAUTIONS ARE NEEDED. FOLLOW GOOD

MANUFACTURING AND HANDLING PRACTICES. THIS CONTAINER MAY BE HAZARDOUS WHEN EMPTY. BECAUSE IT CAN RETAIN PRODUCT RESIDUES THEREFORE DO NOT REUSE CONTAINER FOR ANY PURPOSE.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT USUALLY REQUIRED. A SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED FOR ENTRY INTO ENCLOSED SPACES, OR IN AREAS WITH INADEQUATE VENTILATION.

Ventilation:GENERAL (DILUTION) ACCEPTABLE, HOWEVER LOCAL EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS, MISTS, OR DUST RELEASED.

Protective Gloves:APPROPRIATE IMPERVIOUS GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES,SAFETY GLASSES

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING ESPECIALLY BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM FACILITIES.

Supplemental Safety and Health

KEY1:N1. REMOVE & WASH CO

NTAMINATED CLOTHING BEFORE REUSE.

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

HCC:N1

Spec Gravity:1.61 (WATER=1)

Viscosity:\*

Solubility in Water:INSOLUBLE

Appearance and Odor:OFF WHITE PASTE; SULFIDE ODOR

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Hazardous Decomposition Products:PHENOLICS, OXIDES OF NITROGEN & SULFUR, SMOKE, SOOTE & TOXIC FUMES (E.G. CARBON DIOXIDE & MONOXIDE), HY

DROGEN SULFIDE.

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

Waste Disposal Methods:IF DISCARDED IN ITS ORIGINAL UNUSED FORM THIS PRODUCT SHOULD BE MANAGED AT AN AUTHORIZED FACILITY IN COMPLIANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. BE SURE TO CONTACT APPROPRIATE GOVERNMENT EPA IF FURTHER DISPOSAL GUIDANCE IS NECESSARY.

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