

MORTON -- THIOKOL MC-236 BASE POLYSULFIDE SEALANT B-1/2-1-2-4 -- 8030-01-028-4336

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Product Identification  
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Product ID:THIOKOL MC-236 BASE POLYSULFIDE SEALANT B-1/2-1-2-4

MSDS Date:07/09/1992

FSC:8030

NIIN:01-028-4336

Kit Part:Y

MSDS Number: CCJZL

=== Responsible Party ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-37

3-2837

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

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

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Composition/Information on Ingredients  
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Ingred Name:CALCIUM CARBONATE (LIMEST

ONE) INCL TRACE FORMALEHYDE  
CAS:471-34-1  
RTECS #:FF9335000  
Fraction by Wt: 40.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 2.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG/M3  
ACGIH TLV:10 MG/M3 TDUST

Ingred Name:SILICA, CRYSTALLINE - QUARTZ  
CAS:14808-60-7  
RTECS #:VV7330000  
Fraction by Wt: 0.36%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

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== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:EYES: MECHANICAL IRRIT, SKIN: IRRIT.  
INGEST: NAUSEA/VOMIT/GI UPSET, RESP/IMMUNE SYS (ALERGIC REACTION),  
RESP FUNCTION (PNEUMOCONIOSIS, HIGH IRRIT). MECHANICAL IRRIT TO  
EYES/SKIN/GI TRACT. SILICOSIS/COUGH/WHEEZ/CHEST PAIN/PROGRESSIVE  
IMPAIRMENT TO PULMONARY FUNCTION.

Explanation of Carcinogenicity:QUARTZ CRYSTALLINE SILICA IS LISTED BY  
NTP ANNUAL REPORT AS A CARCINOGEN.  
Medical Cond Aggravated by Exposure:NONE EXPECTED \*\*\*/DROWSY/NO GAG  
REFLEX PERSON.

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

First Aid:EYES: FLUSH W/WATER >15 MIN. CALL DR. SKIN: REMOVE CONTAM  
CLOTHES/SHOES, WASH BEFORE REUSE. WASH W/SOAP & WATER. CALL DR.  
INHAL: GET FRESH AIR. CALL DR IMMED. IF NOT BREATHING GIVE ARTIF  
RESP PREFERABLY MOUTH-TO-MOUTH. INGEST: CAL

L DR, UNLESS ADVISED

OTHERWISE INDUCE VOMIT BY GIVING IPECAC + 2 GLASSES WATER OR STICK  
FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS\*\*\*

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Autoignition Temp:Autoignition Temp Text:NE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:USE AGENTS APPROVED FOR CLASS A HAZARDOUS E.G.  
HALOGENATED AGENTS, FOAM, STEAM OR WATER FOG.

Fire Fighting Procedures:FIR

EFIGHTERS AND OTHERS EXPOSED TO PROD OF  
COMBUSTION SHOULD BE EQUIPED WITH NIOSH APPROVED POSITIVE PRESSURE  
SCBA & FULL PROTECTIVE CLOTHING.

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

Spill Release Procedures:SHOVEL/VACUUM SPILL & PLACE IN CLOSED CNTNR  
FOR HANDLING/DISPOSAL. DONT FLUSH TO SEWER, STREAM, OTHER BODIES  
WATER. IF TLV/PEL EXCEEDED EVAC/VENT AREA. USE SCBA FOR  
ENCLOSED/UNVENTED SPACE.

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

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Handling and Storage Precautions:STORE IN COOL DRY WELL VENTED AREA.

CNTNR CAN RETAIN RESIDUE DONT REUSE FOR FOOD/CLOTHES/ETC.\*\*\*\*

Other Precautions:\*\*\*\*FORMALDEHYDE MAY ACCUMULATE IN HEAD SPACE OF  
SEALED CONTAINERS & EXCEED 1 PPM PEL, 2 PPM STEL, 1 PPM ACGIH, 2  
PPM STEL. APPROPRIATE RESPIRATORY PROTECTION SHOULD BE WORN.

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

Respiratory Protection:NOT USUALLY REQUIRED. WHEN LIMITS SURPASSED USE  
NIOS

H/MSHA APPROVED EQPT. USE SCBA/SUPPLIED AIR RESPIRATOR FOR HIGH  
AIR CONCENTRATIONS.

Ventilation:ADEQUATE VENTILATION. GEN DILUTION ACCEPTIBLE. LOCAL  
EXHAUST RECOMMENDED WHEN VAPORS/MIST/DUSTS MAY BE RELEASED.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEM GOGGLES/SAFETY GLASSES/SIDE/SHIELDS

Other Protective Equipment:EYEWASH FACILITY & PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING & BEFORE  
EATING/DRINKING/SMOKING/USING TOILET. CLEAN CONTAM CLOTHES/SHOE

S

BEFORE REUSE.

Supplemental Safety and Health

NK

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

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.61

pH:NA

Viscosity:9000/14000POI

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE.

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

Percent Volatiles by Volume:3.0

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

Stability Indicator/Materials to Avoid:

YES

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Hazardous Decomposition Products:PHENOLICS/OXIDES OF NITROGEN/SULFUR,  
SMOKE, SOOT, TOXIC FUMES (CARBON DIOXIDE/CARBON MONOXIDE), HYDROGEN  
SULFIED

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

Waste Disposal Methods:IF DISCARDED IN ORIGINAL UNUSED FORM MANAGE AT  
AUTHORIZED FACILITY IN COMPLIANCE W/LOCAL/FEDERAL/STATE REGS.  
CONTACTING APPROPRIATE GOVERNMENT/ENVIRONMENTAL AGENCIES FOR  
FURTHER DISPOSAL GUIDANCE IS R EQUIRED. RECYCLE, TREAT, OR

INCINERATE MATERIAL.

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