

MORTON -- THIOKOL MC-236 BASE COMPOUND POLYSULFIDE SEALANT A-1/2 1, 2 --
8030-00-584-4399

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Product Identification
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Product ID:THIOKOL MC-236 BASE COMPOUND POLYSULFIDE SEALANT A-1/2 1, 2

MSDS Date:07/09/1992

FSC:8030

NIIN:00-584-4399

Kit Part:Y

MSDS Number: CCJVQ

=== Responsible Party ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Inf

o Phone Num:714-373-2837

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
CAS:471-34-1
RTECS #:FF9335000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:TOLUENE (SARA 313) (CERCLA) LD50 5000MG/KG ORAL RAT;LD50
12124MG/KG DERMAL RABBIT;LC50 5320PPM/8 HR INHAL MOUSE.

CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/STEL 150
ACGIH TLV:100 PPM/STEL 150
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-6
0-7
RTECS #:VV7330000
Fraction by Wt: 0.22%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 RDUST
ACGIH TLV:0.1 MG/M3 RDUST

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:CAN CAUSE INJURY/BURNS TO
CORNE

A/OTHER TISSUE. SKIN:CAN CAUSE MILD-MOD IRRIT.CHRONIC:
DEFATTING.IRRIT LEADS TO DERMATITIS.CAN BE
ABSORBED.INHAL:NOSE/THROAT/UPPER RESP TRACT IRRIT.CAN CAUSE DIZZINE
SS/HEADACHE/INCOORDINATION/NAUSEA/VOMITING/GI UPSET.INGEST:GI
IRRIT/NAUSEA/VOMITING/GI UPSET/DIZZINESS/FAINT/DROWSY*

Explanation of Carcinogenicity:LUNG CANCER MORE PREVALENT IN PEOPLE
AFFECTED W/SILICOSIS THAN GEN PUBLIC.

Effects of Overexposure:*ATAXIA.MAY AFFECT
LIVER/KIDNEY/CENTRAL/PERRIFERAL NS.EYE/SKIN:

CHRONIC: AFFECTS RESP
FUNCTION.INGEST:CAN CAUSE CNS DEPRESSION.LG DOSE CAN PRODUCE
METABOLIC ACIDOSIS.LIVER/KIDNEY DAMAGE/VENTRICULAR IRR
EGULARITIES**

Medical Cond Aggravated by Exposure:CENTRAL/PERRIFERAL NS/SKIN.
**CONVULSIONS.HIGH VAPORS INDUCE CARDIAC SENSITIZATION.SILICOSIS
W/CHRONIC EXPOS TO CRYSTALLINE SILICA(COUGHING/WHEEZING/CHEST
PAIN/IMPAIRED PULMINARY FUNCTION).

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

First Aid:EYE:IMMED FLUSH W/
WATER >15 MIN HOLD LIDS OPEN.GET IMMED MED
AID.SKIN:REMOVE CONTAM CLOTHES/SHOES/WASH BEFORE REUSE.WASH
W/SOAP/WATER.IF IRRIT CALL DR.INHAL:GET FRESH AIR IF SYMPTOMS.GET
IMMED MED AID .IF NO RESP, ARTIF RESP (MOUTH-TO-MOUTH).INGEST:GET
MED AID.UNLESS ADVISED OTHERWISE INDUCE VOMITING W/IPECAC+2 GLASSES
WATER/STICK FINGER DOWN THROAT.NOTHING BY MOUTH IF
DROWSY/UNCONSCIOUS/NO GAG***

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

Flash Point Method:SCC

Flash Point:91.0F,32.8C

Autoignition Temp:Autoignition Temp Text:NE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:SM: AGENTS FOR CLASS B.DRY CHEM/CARBON
DIOXIDE/HALLON/FOAM/STEAM/WATER FOG. LG: WATER SPRAY/FOG/ALCOHOL
FOAM.

Fire Fighting Procedures:FIREFIGHTERS/OTHERS EXPOSED TO COMBUSTION
PRODUCTS SHOULD BE EQUIPPED W/NIOSH APPROVED POSITIVE PRESSURE
SCBA/FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:SEALED CNTNRS MAY RUPTURE IF EXPOSED TO
HIGH TEMP/FLAME.CO

OL W/WATER.VAPORS >AIR, TRAVEL LONG DISTANCE.CAN
BE IGNITED BY SPARK/FLAME/ENGINE/OTHER IGNIT SOURCES.

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

Spill Release Procedures:STOP LEAK IF SAFE.CONTAIN.RECOVER W/PUMP
VACUUM TRUCK/EXPLOSION PROOF EQUIP/ABSORBENT.PLACE IN SUITABLE
CNTNR/DISPOSE.USE PROTEC EQUIP.DON'T FLUSH TO SEWER/STREAM/BODY
WATER.REMOVE IGNIT SOURCE.IF TLV /PEL EXCEEDED EVACUATE.SUPPLIED
AIR RESP/SCBA****

Neutralizing Agent:NK ****IN EN
CLOSED SPACES.

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

Handling and Storage Precautions:STORE IN COOL DRY WELL-VENT AREA AWAY
FROM HEAT/IGNIT SOURCE/DIRECT SUNLIGHT.KEEP CNTNR TIGHTLY CLSD.HOT
VAPORS/MISTS MAY IGNITE WHEN MIXED W/AIR.

Other Precautions:DON'T CONTAMINATE.AT TYPICAL HIGH TEMP. EVALUATE
PROPOSED USE THOROUGHLY TO ASSURE SAFETY.SUPPORT/GROUND CNTNRS
PRIOR OPENING/TRANSFERRING/MIXING/POURING/EMPTYING.USE NONSPARKING
TOOLS.IF WARM OPEN
BU NG SLOWLY TO RELEASE PRESSURE.CNTNR*****

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

Respiratory Protection:DON'T BREATHE VAPOR/MIST. WHEN LIMITS SURPASSED
USE NIOSH/MSHA APPROVED EQUIPMENT. CONSULT MFR FOR SPECIFIC
APPLICATION. OBSERVE RESPIRATOR LIMITATIONS. HIGH AIRBORNE
CONCENTRATIONS MAY REQ SCBA/SUPPL IED AIR RESP. COMPLY W/29 CFR
1910.134.

Ventilation:GEN DILUTION MAY BE ACCEPTABLE.LOCAL EXHAUST RECOMMENDED
WHEN VAPORS/MISTS/DUSTS CAN BE R
ELEASED.MAINTAIN BELOW LIMITS.

Protective Gloves:IMPERVIOUS.CONSULT MFR FOR PROPER TYPE.

Eye Protection:CHEM GOGGLES/GLASSES W/SIDE SHIELDS.

Other Protective Equipment:EYEWASH FACILITY SHOULD BE READILY
AVAILABLE.

Work Hygienic Practices:WASH WELL AFTER HANDLING/BEFORE
EATING/DRINKING/SMOKING/USING RESTROOM.WASH CONTAM CLOTHES BEFORE
REUSE.

Supplemental Safety and Health

***REFLEX.HIGH RISK ASPIRATION/CHEM PNEUMONITIS.PRESENCE
AROMATIC/CHLORINATED HYDROCARBONS MAKES EVACUATION ST

OMACH

ADVISEABLE. TREATMENT SHOULD BE SUPPORTIVE/SYMPTOMATIC/DIRECTED AT PREVENTING ABSORPTION.*****RETAINS RESIDUE.

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

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.3

pH:NA

Viscosity:100-500 POISE

Evaporation Rate & Reference:NA

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT COLORED OFF WHITE PASTE SULFIDE ODOR

Percent Volatiles by Volume:14.0

===== Stability and React

ivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS

Hazardous Decomposition Products:IF HEATED, FLAM SOLVENT

VAPORS/PHENOLICS/OXIDES SULFUR/SMOKE/SOOT/CARBON DIOXIDE/CARBON MONOXIDE/HYDROGEN SULFIDE.

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

Waste Disposal Methods:IF UNUSED EXHIBITS CHARACTERISTICS RCRA HAZ

WASTE (40 CFR 261.21 IGNITABLE D001). MUST BE MANAGED AT PROPERLY PERMITTED FACILITY ACCORDING TO APPLIC REG

S.CALL APPROP AGENCIES

FOR MORE GUIDANCE.RECYCLE IF FEASABLE.INCINERATE/TREAT IF NOT.

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