

MORTON SALT -- THIOKOL MC-236 BASE COMPOUND POLYSULFIDE SEALANT A-1/2 1, 2 --  
8030-00-723-5344

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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:03/05/1996

FSC:8030

NIIN:00-723-5344

Kit Part:Y

MSDS Number: CFMZY

=== Responsible Party ===

Company Name:MORTON SALT

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Info

Phone Num:714-373-2837

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

CAGE:KO151

=== 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 SALT

Address:100 N RIVERSIDE PLASA

Box:City:CHICAGO

State:IL

ZIP:60606-1597

Country:US

Phone:312-807-2000

CAGE:KO151

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Composition/Information on Ingredients  
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Ingred N

ame:CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 35.0%

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 12124 MG/KG DERMAL RABBIT; LC50 5320 PPM/8 HR INHAL MOUSE)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 13.0%

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 - QUA  
RTZ

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 0.22%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 2.2%

Other REC Limits:NONE RECOMMENDED

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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:EYE: INJURY, BURNS. SKIN: IRRITATI  
ON,

DEFATTING, DERMATITIS, ABSORPTION. INHAL: IRRITATION (DIZZINESS,  
HEADACHE, INCOORDINATION, NAUSEA, VOMITING, GI UPSET. INGEST: GI  
IRRIT, NAUSEA, VOMIT, DIZZINESS, FAINTNESS, DROWSINESS,  
INCOORDINATION, ATAXIA. MAY EFFECT LIVER/KIDNEY, CNS PERIPHERIAL  
NERVOUS SYSTEM, EYES, SKIN.

Explanation of Carcinogenicity:CRYSTALLINE SILICA IS LISTED BY IARC.

Medical Cond Aggravated by Exposure:CENTRAL/PERRIFERAL NERVOUS SYSTEM &  
SKIN.

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===== First Aid Measures

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First Aid:EYE: IMMEDIATELY FLUSH WITH WATER >15 MIN. LIFT LIDS. GET IMMEDIATE MEDICAL AID. SKIN: REMOVE CONTAMINATED CLOTHES/SHOES WASH BEFORE REUSE. WASH WITH SOAP/WATER. CALL DR. INHALATION: GET FRESH AIR. GET IMMEDIATE MEDICAL AID. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION (MOUTH-TO-MOUTH). INGESTION: GET MEDICAL AID. INDUCE VOMIT AT INSTRUCTION OF DR. DO NOT GIVE ANYTHING BY MOUTH TO UNCONSCIOUS/DROWSY/NO GAG REFLEX PERSON.

===== Fire Fighting Measures =====  
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Flash Point Method:SCC

Flash Point:91.0F,32.8C

Autoignition Temp:Autoignition Temp Text:NE

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:SMALL FIRE: DRY CHEM, CO2, HALLON, FOAM, STEAM, WATER FOG. LARGE FIRE: WATER SPRAY, FOG, ALCOHOL FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED POSITIVE PRESSURE SCBA WITH FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:SEALED CONTAINERS MAY RUPTURE IF EXPOSED TO HIGH TEMP. COOL CONTAINERS WITH WATER. VAPORS >AIR, TRAVEL LONG DISTANCE & IGNITE.

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

Spill Release Procedures:STOP LEAK IF SAFE. DIKE. RECOVER WITH PUMP VACUUM TRUCK & EXPLOSION PROOF EQUIPMENT. ABSORB. CONTAINERIZE. DISPOSE. USE PROTECTIVE EQUIPMENT. REMOVE IGNITION SOURCES. EVACUATE/VENTILATE AREA. USE SUPPLIED AIR RESPIRATOR OR SCBA IN ENCLOSED SPACES.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED AREA

AWAY FROM IGNITION SOURCES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. HOT VAPORS MAY IGNITE WHEN MIXED WITH AIR

Other Precautions:DON'T CONTAMINATE PRODUCT. EVALUATE PROPOSED HIGH TEMPERATURE USE THOROUGHLY. SUPPORT/GROUND CONTAINERS PRIOR TO USE. USE NONSPARKING TOOLS. IF WARM, OPEN BUNG SLOWLY TO RELEASE PRESSURE. CONTAINER RETAINS RESIDUE. DO NOT REUSE.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED

EQUIPMENT. HIGH AIRBORNE

CONCENTRATIONS MAY REQUIRE SCBA/SUPPLIED AIR RESPIRATOR.

Ventilation:GENERAL DILUTION: ACCEPTABLE. LOCAL EXHAUST: RECOMMENDED.

Protective Gloves:IMPERVIOUS.

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

Other Protective Equipment:EYEWASH FACILITY & PROTECTIVE CLOTHING.

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

Supplemental Safety and Health

MORE INFORMATION

ON FILE.

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

Boiling Pt:B.P. Text:NA

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:1.31

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 Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS

Hazardous Decomposition

Products:FLAMMABLE SOLVENT VAPORS, PHENOLICS,  
OXIDES OF SULFUR, SMOKE, SOOT, CO<sub>2</sub>, CO & HYDROGEN SULFIDE.

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

Waste Disposal Methods:IF UNUSED, PRODUCT IS IGNITABLE. EPA #D001.  
MANAGE AT PERMITTED FACILITY ACCORDING TO APPLICABLE REGS. CALL  
APPROP AGENCIES FOR MORE GUIDANCE. RECYCLE IF FEASIBLE.  
INCINERATE/TREAT IF NOT.

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