

MORTON SALT -- THIOKOL MC-236 BASE COMPOUND POLYSULFIDE SEALANT A-1/2, 2 --
8030-01-363-6671

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

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

MSDS Date:07/09/1992

FSC:8030

NIIN:01-363-6671

Kit Part:Y

MSDS Number: CDPKG

=== 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 =====

Ingred Name:CA

LCIUM CARBONATE
CAS:471-34-1
RTECS #:FF9335000
Fraction by Wt: 30-60%
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: 10-30%
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:1
4808-60-7
RTECS #:VV7330000
Fraction by Wt: 0.31%
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
OSHA PEL:5 MG/M3
ACGIH TLV:10 MG/M3

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO
Health Hazards Acute and Chr

onic:EYE: INJURY, CORNEAL/OTHER TISSUE

BURN. SKIN: MILD-MOD IRRIT, DEFATTING, DERMATITIS, ABSORPTION.

INHAL: NOSE/THROAT/UPPER RESP TRACT IRRIT, DIZZINESS, HEADACHE, INCOORDINATION, NAUSEA, VOMIT, GI UPSET , PNEUMOCONIOSIS. INGEST: GI IRRIT, NAUSEA, VOMIT, GI UPSET, DIZZINESS, FAINT, DROWSY*

Explanation of Carcinogenicity:QUARTZ(CRYSTALLINE SILICA) IS LISTED IN THE NTP ANNUAL REPORT.

Effects of Overexposure:*ATAXIA. MAY EFFECT LIVER, KIDNEY, CENTRAL/PERRIFERAL NS, EYE, SK

IN. EFFECTS RESP FUNCTION. INGEST:

CNS DEPRESSION, METABOLIC ACIDOSIS, LIVER/KIDNEY DAMAGE, VENTRICULAR IRREGULARITIES, CONVULSIONS, SI LICOSIS (COUGH, WHEEZ, CHEST PAIN, PROGRESSIVE IMPAIRMENT OF PULMONARY FUNCTION).

Medical Cond Aggravated by Exposure:MAY EFFECT SKIN AND NERVOUS SYSTEM.

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

First Aid:EYE: FLUSH W/WATER >15 MIN LIFT LIDS. GET MED AID. SKIN: REMOVE CONTAM CLOTHES/SHOES/WASH BEFORE REUSE. WASH W/SO AP/WATER.

CALL DR. INHAL: GET FRESH AIR. GET MED AID. IF NO RESP, ARTIF RESP (MOUTH-TO- MOUTH). INGEST: GET MED AID. UNLESS ADVISED OTHERWISE INDUCE VOMIT (IPECAC + 2 GLASSES WATER OR STICK FINGER DOWN THROAT). NOTHING BY MOUTH IF DROWSY/UNCONSCIOUS/NO GAG REFLEX.

===== 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: A

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

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Accidental Release Measures =====

Spill Release Procedures:STOP LEAK IF SAFE.CONTAIN/RECOVER
W/PUMP/VACUUM TRUCK.USE EXPLOSION PROOF EQUIP OR USE ABSORBENT &
CONTAINERIZE/DISPOSE. USE PROT EQUIP.DONT FLUSH TO WATER.NO
IGNITS.IF >TLV/PEL EVAC/VENT AREA.USE SUP PLIED AIR RESP/SCBA FOR
ENCLOSED/UNVENTED SPACES.

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

Handling and Storage Precautions:STORE IN COOL DRY WELL-VENT AREA, NO
IGNITS. KEEP
CNTNR TIGHTLY CLSD. MAY IGNITE W/AIR. STORE AT