

MORTON SALT -- THIOKOL MC-236 BASE ACCELERATOR -- 8030-01-333-4823

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Product Identification
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Product ID:THIOKOL MC-236 BASE ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:01-333-4823

Kit Part:Y

MSDS Number: CDPJZ

=== 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 Name:MANGANESE DIOXIDE (SARA 313) LD50 >10000MG/KG ORAL RAT

;LD50

>2000MG/KG DERMAL RABBIT;LD50 13200MG/KG ORAL RAT ACUTE TOX.

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 66.4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:3 MG/M3 FUME

ACGIH TLV:1 MG/M3 STEL 3MG/M3

Ingred Name:HYDROGENATED TERPHENYLS

CAS:61788-32-7

RTECS #:WZ6535000

Fraction by Wt: 22.7%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:CEILING = 0.5 PPM

ACGIH TLV:0.5 PPM

Ingred Name:TERPHENYL

CAS:26140-60-3

RTECS #:WZ6450000

Fraction by Wt: 4.8%

Other REC Limits:NONE RECOMMENDED

OSHA PE

L:0.5 PPM

ACGIH TLV:0.5 PPM

Ingred Name:POLYOXYETHYLENE NONYL PHENYL PHOSPHATE LD50 3630 MG/KG ORAL
RAT

CAS:51811-79-1

Fraction by Wt: 2.9%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3 DIPHENYL GUANIDINE LD50 507 MG/KG ORAL RAT; LD50 290
MG/KG ORAL MOUSE

CAS:102-06-7

Fraction by Wt: 0.7%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 1.4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3 CEILING

ACGIH TLV:2

MG/M3 CEILING
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== 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:IRRIT, BLINDNESS. SKIN:IRRIT,
ALLERGIC REACTION IN SUSCEPTIBLE PEOPLE. INHAL:DIZZY, HEADACHE,
INCOORDINATION, COUGH, FEVER, HEADACE, NAUSEA. INGEST:GI
IRRIT/UPSET, NAUSEA, VOMIT, ABDOMINAL PAIN, F EVER, NAUSEA,

LIVER/KIDNEY DAMAGE. OTHER:LIVER/KIDNEY/EYE/SKIN/IMMUNE SYSTEM.
SKIN/EYE CONTAC CAUSES RED, PAIN, IRRIT*

Effects of Overexposure:*DIARRHEA, LIVER/KIDNEY/BLOOD EFFECTS.
PULMONARY EDEMA. SKIN: BLISTER/BURN/SENSITIZATION, ABSORPTION.
INHAL: MUCOUS MEMBRANE IRRIT/DIFF BREATHING. INGEST: BURNS TO
MOUTH/THROAT/DIGEST TRACT. CORROSIVE TO EYES/SKIN/MUCOUS
MEMBRANES.

Medical Cond Aggravated by Exposure:MAY EFFECT LIVER, KIDNEY, SKIN,
IMMUNE SYSTEM, ALERGIES.

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===== 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: CALL DR, UNLESS ADVISED
OTHERWISE INDUCE VOMIT W/IPECAC + 2 GLASSES WATER OR STICK FINGER
DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS/DROWSY/NO
GAG REFLEX PERSON.

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===== 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:SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, HALLON,
WATER SPRAY, FOAM. LARGE: 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.

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

Spill Release Procedures: SHOVEL/VACUUM SPILL & PLACE IN CLOSED CONTAINERS FOR FURTHER HANDLING/DISPOSAL. DONT FLUSH TO SEWER, STREAM, OTHER BODIES WATER. IF >TLV/PEL EVAC/VENT AREA. USE SCBA FOR ENCLOSED SPACES AND WHERE VENT INSUFICIENT.

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

Handling and Storage Precautions: STORE IN COOL DRY WELL VENTED AREA. CNTR CAN RETAIN RESIDUE DONT REUSE FOR FOOD/CLOTHES /ETC. AVOID SKIN CONTACT.

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

Respiratory Protection: WHEN LIMITS SURPASSED USE NIOSH/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. CONSULT GLOVE MANUFACTURER.

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: EYESAS H FACILITY. PROTECTIVE CLOTHING.

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

Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Boiling Pt: B.P. Text: NA

Vapor Pres: 0.1

Vapor Density: NOT EST.

Spec Gravity: 2.1

pH: NA

Viscosity: 100-500 POISE

Evaporation Rate & Reference: