

MORTON SALT -- THIOKOL MC-275 ACCELERATOR -- 8030-00-485-3237

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

Product ID:THIOKOL MC-275 ACCELERATOR

MSDS Date:04/16/1993

FSC:8030

NIIN:00-485-3237

Kit Part:Y

MSDS Number: CDPGN

=== Responsible Party ===

Company Name:MORTON SALT

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

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

===== Composition/Information on Ingredients =====

Ingred Name:MANGANESE DIOXIDE (SARA III)

CAS:1313-13-9

RTECS #:OP0

350000
Fraction by Wt: 66.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3 MG/M3 (AS MN FUME)
ACGIH TLV:1 MG/M3/3 MG/M3 STEL

Ingred Name:TERPHENYL HYDROGENATED (ORAL,RAT LD50: >10,000 MG/KG;
DERMAL, RABBIT LD50: >2,000 MG/KG)
CAS:61788-32-7
RTECS #:WZ6535000
Fraction by Wt: 22.7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM (CEILING)
ACGIH TLV:0.5 PPM

Ingred Name:TERPHENYL (ORAL,RAT LD50: 13,200 MG/KG)
CAS:26140-60-3
RTECS #:WZ6450000
Fraction by Wt: 0.19%
Other REC Limits:NONE RECOMM
ENDED
OSHA PEL:0.5 PPM
ACGIH TLV:0.5 PPM

Ingred Name:ETHOXYLATED NONYLPHENOL PHOSPHATE (ORAL,RAT LD50: 3630
MG/KG)
CAS:51811-79-1
Fraction by Wt: 2.9%
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIPHENYLGUANIDINE 1,3- (ORAL,RAT LD50: 507 MG/KG;
ORAL,MOUSE LD50: 290 MG/KG)
CAS:102-06-7
RTECS #:MF0875000
Fraction by Wt: 4.8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 0.7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 M

G/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:EYES: IRRIT, RED, PAIN, BURN, CORNEAL
CLOUDING, CORROSION, BLINDNESS. SKIN: IRRIT, PAIN, CORROSION,
BLISTER, BURN, SENSITIZATION. INGEST: GI IRRIT/UPSET, ABDOMINAL
PAIN, FEVER, NAUSEA, DIAR
RHEA, VOMIT , ANEMIA, LIVER/KIDNEY DAMAGE,
MOUTH/THROAT/DIGESTIVE TRACT BURN. INHAL: COUGH, FEVER, HEADACHE,
NAUSEA,*
Effects of Overexposure:NK *PULMONARY EDEMA, MUCOUS MEMBRANE
IRRIT/CORROSION, DIFFICULTY BREATHING. MAY EFFECT LIVER, KIDNEY,
EYE, SKIN, IMMUNE SYSTEM, (ALERGIC REATION).
Medical Cond Aggravated by Exposure:MAY EFFECT LIVER, KIDNEY, SKIN,
IMMUNE SYSTEM, CHEMICAL ALLERGIES.

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

First Aid:EYE:
FLUSH W/H2O 15 MIN, LIFT LID. GET MED AID. SKIN: REMOVE
CONTAM CLOTHES/SHOES. WASH W/SOAP/H2O, SEE DR. WASH CONTAM CLOTH
BEFORE REUSE. INHAL:GET FRESH AIR, GET MED AID. NO BREATH, GIVE
MOUTH-MOUTH ARTIF RESP. INGEST:CALL DR. UNLESS ADVISED OTHERWISE,
INDUCE VOMIT (SYRUP OF IPECAC AND 2 GLASSES H2O OR/FINGER DOWN
THROAT). DONT GIVE ANYTHING BY MOUTH TO UNCONSCIOUS/DROWSY, NO GAG
REFLEX PERSON.

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

Flash Po
int Method:SCC
Flash Point:>200F,>93C
Autoignition Temp:Autoignition Temp Text:NE
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:SMALL FIRE: USE DRY CHEMICAL, CARBON DIOXIDE,
HALON, WATER SPRAY FOAM. LARGE FIRE: USE WATER SPRAY, FOG, ALCOHOL
FOAM.
Fire Fighting Procedures:FIRE FIGHTERS AND OTHER WHO MAY BE EXPOSED TO
THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH APPROVED
POSITIVE PRESSURE SCBA & PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:MAY LIBERATE IRRIT

ATING OR TOXIC VAPORS
DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures: SHOVEL OR VACUUM SPILL AND PLACE IN CLOSED CONTAINERS FOR FURTHER HANDLING AND DISPOSAL. DONT FLUSH TO SEWER, STREAM, OR OTHER BODIES OF WATER. IF >TLV/PEL EVAC/VENT AREA. USE SCBA/AIR SUPPLIED RESPIRATOR FOR ENCLOSED/UNVENTED AREAS.

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

Handling and Storage Precautions: STORE IN COOL, DRY, VENTED AREA.
CONTAINER CAN BE HAZARDOUS WHEN EMPTY (RESIDUE).
Other Precautions: DO NOT REUSE CONTAINER FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection: WEAR NIOSH/MSHA EQUIP. USE SCBA/SUPPLIED AIR RESPIRATOR FOR HIGH CONCENTRATIONS.
Ventilation: GENERAL (DILUTION) MAY BE ACCEPTABLE. HOWEVER, LOCAL EXHAUST VENT RECOMMENDED WHEN VAPORS, MISTS, DUSTS CAN BE RELEASED.
Protective Gloves: IMPERVIOUS GLOVES (SEE GLOVE MFR)
Eye Protection: CHEM SPLASH GOGGLE/SFTY GLASSES W/SDSHLD
Other Protective Equipment: WEAR PROTECTIVE CLOTHING. EYE WASH FACILITIES.
Work Hygienic Practices: WASH AFTER HANDLE/BEFORE EAT/DRINK/SMOKE/RESTROOM. WASH CONTAM GOGGLE/FACESHLD/GLOVE. LAUNDRY CONTAM CLOTH. TRASH SHOES.
Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Boiling Pt: B.P. Text: NA
Vapor Pres: 0.1 @ 25C
Vapor Density: >1
Spec Gravity: 2.1 (WATER=1)
pH: NA
Evaporation Rate & Reference: