

MORTON SALT -- THIOKOL MC-215 ACCELERATOR -- 8030-01-065-0306

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

Product ID:THIOKOL MC-215 ACCELERATOR

MSDS Date:08/02/1996

FSC:8030

NIIN:01-065-0306

Kit Part:Y

MSDS Number: CDPJB

=== 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)

Preparer's Name:DAVID WIENCKOWSKI

CAGE:KO151

=== Contractor Ident

ification ===

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 OXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 60-100%

Other REC Limits:NONE R

ECOMMENDED
OSHA PEL:1 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:HYDROGENATED TERPHENYLS LD50 17500MG/KG/ORAL RAT DERMAL
LD50 >2000MG/KG RABBIT LD50 ORAL 12500MG/KG MOUSE
CAS:61788-32-7
RTECS #:WZ6535000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM
ACGIH TLV:0.5 PPM CEILING

Ingred Name:1,3 DIPHENYL GUANIDINE LD50 ORAL RAT 507MG/KG MOUSE
290MG/KG
CAS:102-06-7
Other REC Limits:NONE RECOMMENDED

Ingred Name:TERPHENYL LD50 RAT 13200MG/KG
CAS:26140
-60-3
RTECS #:WZ6450000
Fraction by Wt: 1-5.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM CEILING
ACGIH TLV:0.53 PPM CEILING C 0

Ingred Name:POLYOXYETHYLENE NONYL PHENYL PHOSPHATE LD50 ORAL RAT
3630MG/KG
CAS:51811-79-1
Fraction by Wt: 1-5.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (CERCLA) DERMAL LD50 RABBIT 1000MG/KG
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 1-5.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3
EPA Rpt Qty:1000 LB

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DOT Rpt Qty:1000 LBS

Ingred Name:TRADESECRET #06-027 (NON-HAZARDOUS INGREDIENTS)

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO

Health Hazards Acute and Chronic:EYE: IRRIT, BURNS. SKIN: IRRIT,
ALLERGIC REACTION, SENSITIZATION, BURN. INHAL: IRRIT TO
EYES/NOSE/RESPIRATORY TRACT, DIZZY, HEADACHE, INCORRDINATION.

INGEST: IRRIT TO MOUTH/THROAT/STOMACH/NAUSEA/VOMIT /PAIN/STOMACH
UPSET, (DIARRHEA), LIVER/KIDNEY INJURY. MAY EFFECT
LIVER/KIDNEY/NERVOUS SYSTEM/BLOOD *

Effects of Overexposure:NK * BLOOD FORMING ORGANS, LUNGS,
RESPIRATORY SYSTEM, REPRODUCTIVE SYSTEM, EYES, SKIN IMMUNE SYSTEM,
(ALLERGIC REACTION).

Medical Cond Aggravated by Exposure:MAY EFFECT

LIVER/KIDNEY/LUNG/RESPIRATORY SYSTEM/SKIN/IMMUNE SYSTEM & OR
SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYE: IMMED FLUSH W/PLENTY WATER >15MIN. GET MED AID. SKIN:
IMMED FLUSH W/WATER, REMOVE CONTAM CLOTHES/SHOES, WASH BEFORE
REUSE. GET MED AID. INHAL: GET FRESH AIR, GET MED AID. IF NO
BREATH, GIVE ARTIF RESP. INGEST: GET MED AID IMMED. INDUCE VOMIT
AS DIRECTED BY DR. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS
PERSON.

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

Flash Point Method:SCC

Flash Point:>200F,>9

3C

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:SM: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER
SPRAY OR FOAM. LG: WATER SPRAY, FOG, ALCOHOL FOAM.

Fire Fighting Procedures:FIREFIGHTERS/OTHERS, SHOULD BE EQUIPED W/NIOSH
APPROVED POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:IRRITATING/HIGHLY TOXIC GASES MAY BE
GENERATED DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Proced

ures:EVAC AREA. NO IGNITS. SAFELY STOP DISCHARGE,
DIKE. (NO ENTRY TO SOIL/SEWER/BODY OF WATER). USE SUPPLIED AIR
RESP/SCBA IN ENCLOSED SPACE OR IF >LIMITS . USE PROPER PROTECTIVE
EQUIPMENT. COVER W/ABSORBA NT, CONTAINERIZE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTED AREA.
MAY RETAIN RESIDUE. DONT REUSE FOR FOOD/CLOTHING/PRODUCTS FOR
HUMAN/ANIMAL CONSUMPTION, NO SKIN CONTACT.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED EQUIPMENT. USE
SCBA/SUPLIED AIR RESPIRATOR FOR HIGH AIRBORNE CONCENTRATIONS.
Ventilation:LOCAL EXHAUST VENT RECOMMENDED WHEN VAPORS/MISTS/DUSTS CAN
BE RELEASED.
Protective Gloves:IMPERVIOUS.
Eye Protection:CHEMICAL SPLASH GOGGLES.
Other Protective Equipment:EYEWASH FACILITY, PROTECTIVE CLOTHING.
Work Hygienic Practices:WASH AFTER HANDLING/BEFORE
EAT/DRINK/SMOKE/TOILET. WASH CON
TAM/GOGGLES/FACESHLD/GLOVES/CLOTHES
BEFORE REUSE.
Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Vapor Pres:0.1
Vapor Density:>1.0
Spec Gravity:2.1
pH:NA
Evaporation Rate & Reference: