

MORTON -- THIOKOL MC 275 ACCELERATOR -- 8030-00-560-8759

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

Product ID:THIOKOL MC 275 ACCELERATOR

MSDS Date:04/16/1993

FSC:8030

NIIN:00-560-8759

Kit Part:Y

MSDS Number: BVBBY

=== Responsible Party ===

Company Name:MORTON

Address:7341 ANACONDA AVENUE

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837 EXT. 11

Emergency Phone Num:800-424-9300

CHEMTREC

CAGE:KO006

=== Contractor Identification ===

Company Name:MORTON

Address:7341 ANACONDA AVE.

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Phone:714-373-2837

CAGE:KO006

Company Name:MORTON INTL INC SPECIALTY CHEMICALS GROUP

Address:333 W WACKER DR

City:CHICAGO

State:IL

ZIP:60606-1218

Country:US

Phone:312-807-2000

CAGE:32063

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

Ingred Name:MANGANESE DIOXIDE (SARA III)

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 60-7

0%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3 MG/M3 (AS MN FUME)  
ACGIH TLV:5 MN MG/M3 RESP FRAC

Ingred Name:HYDRIGEBATED TERPHENYL (ORAL,RAT LD50: >10,000 MG/KG;  
DERMAL,RABBIT LD50: >2,000 MG/KG)  
CAS:61788-32-7  
RTECS #:WZ6535000  
Fraction by Wt: 10-30%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM (CEILING)  
ACGIH TLV:0.5 PPM; 4.7 MG/M3

Ingred Name:TERPHENYL (ORAL,RAT LD50: 13,200 MG/KG)  
CAS:26140-60-3  
RTECS #:WZ6450000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:  
0.5 PPM; 5 MG/M3  
ACGIH TLV:0.5 PPM; 4.7 MG/M3

Ingred Name:ETHOXYLATED NONYLPHENOL PHOSPHATE (ORAL,RAT LD50: 3630  
MG/KG)  
CAS:51811-79-1  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIPHENYLGUANIDINE 1,3- (ORAL,RAT LD50: 507 MG/KG;  
ORAL,MOUSE LD50: 240 MG/KG)  
CAS:102-06-7  
RTECS #:MF0875000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PE

L: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:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: MILD TO MODERATE IRRITATION.  
SKIN: IRRITATION CAN OCCUR FOLLOWING PROLONGED OR REPEATED CONTACT.  
INGESTION: GASTROINTESTINAL, IRRITATION, NAUSEA, VOMITING,  
GASTROINTESTINAL UPSET. T  
TOXICITY IN FOLLOWING ORGANS AND/OR  
SYSTEMS: LIVER, KIDNEY, EYE, SKIN, IMMUNE SYSTEM (E.G. ALLERGIC  
REACTIONS).  
Medical Conditions Aggravated by Exposure:SOME OF COMPONENTS IN PRODUCT MAY  
AGGRAVATE EXISTING MEDICAL CONDITIONS. INDIVIDUALS WITH MEDICAL  
CONDITIONS INVOLVING FOLLOWING ORGANS/SYSTEMS: LIVER, KIDNEY, SKIN,  
IMMUNE SYSTEM, CHEMICAL ALLERGIES.

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

First Aid:EYE:FLUSH W/H2O 15 MIN,LIFT LID. GET PROMPT MED AID  
D.  
SKIN:REMOVE CONTAM CLOTHES & SHOES. WASH AREA W/SOAP & H2O.IF IRRIT  
DEVELOPS,SEE DR,WASH CONTAM CLOTH BEFORE REUSE. INHAL:REMOVE TO  
FRESH AIR. IF SYMPTOMS DEVELOP,GET IMMED MED AID. IF NO  
BREATH,GIVE ARTIF RESP (MOUTH TO MOUTH). INGEST:GET MED AID,UNLESS  
ADVISED (IPECAC,FINGER DOWN THROAT). NOTHING BY MOUTH TO  
DROWSY,UNCONSCIOUS,NO GAG REFLEX. \*

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

Flash Point Method:SCC  
Flash Point:>200F,>93C  
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:NONE KNOWN.

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

Spill Release Procedures:SHOVEL OR VACUUM SPILLED PRODUCT

AND PLACE IN

CLOSED CONTAINERS FOR FURTHER HANDLING AND DISPOSAL. DO NOT FLUSH TO SEWER, STREAM, OR OTHER BODIES OF WATER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTED AREA. NO SPECIAL PRECAUTIONS NEEDED. FOLLOW GOOD MFR & HANDLING PRACTICES. 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. DETERMINE TYPE EQUIP FOR SPECIFIC APPLICATION BY CONSULTING RESP MFR. OBSERVE RESPIRATOR LIMITATIONS. HIGH CONCENTRATIONS MAY NEED USE OF SCBA OR SUPPLIED AIR RESPIRATOR. RESP P ROTECT PROGRAM IN COMPLY W/29CFR1910.134

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

Work Hygienic Practices:WASH AFTER HANDLE,BEFORE EAT,DRINK,SMOKE,USE RESTRM.WASH CONTAM GOGGLE,FACESHLD,GLOVE.LAUNDER CONTAM CLOTH.DISCARD SHOES

Supplemental Safety and Health

\* NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR, AND

PROVIDING SUPPORTIVE THERAPY.

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

Vapor Pres:0.1 @ 25C

Vapor Density:>1

Spec Gravity:2.1 (WATER=1)

Evaporation Rate & Reference: