

MORTON INTL INC SPECIALTY CHEMICALS GROUP -- THIOKIL MC-236 ACCELERATOR --
8030-00-850-0759

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

Product ID:THIOKIL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-850-0759

Kit Part:Y

MSDS Number: BTSQP

=== Responsible Party ===

Company Name:MORTON INTL INC SPECIALTY CHEMICALS GROUP

Address:333 W WACKER DR

City:CHICAGO

State:IL

ZIP:60606-1218

Country:US

Info

Phone Num:312-807-3422

Emergency Phone Num:312-807-3422

Preparer's Name:DAVID B WIENCKOWSKI

CAGE:32063

=== Contractor Identification ===

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

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

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by Wt: 60-70% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M

3 CEILING

ACGIH TLV:5 MG/M3 (AS MN DUST)

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: 10-30% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3, 5 MG/M3

ACGIH TLV:0.5 PPM, 4.7 MG/M3

Ingred Name:TERPHENYLS (ORAL RAT LD50: 13,200 MG/KG)

CAS:26140-60-3

RTECS #:WZ6450000

Fraction by Wt: 1-5% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 PPM, 5 MG/M3

ACGIH TLV:0.5 PPM, 4.7 MG/M3

Ingred N

ame:ETHOXYLATED NONYLPHENOL PHOSPHATE (ORAL RAT LD50: 3630
MG/KG)

CAS:51811-79-1

Fraction by Wt: 1-5% %

Other REC Limits:NONE SPECIFIED

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: 1-5% %

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 1-5% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3 (CEILING)

ACGIH TLV:2 MG/M3 (CEILIN

G)
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NOT GIVEN

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. SKIN: REACTIONS IN SOME INDIVIDUALS. INHALATION: DIZZINESS, HEADACHE, INCOORDINATION. INGESTION: GI IRRIT, NAUSEA, VOMITING, GI UPSET. SKIN: REDNESS, PAIN, IRRIT, BLISTERS, BURNS. INGESTION

: ABDOM PAIN, FEVER, LIVER

& KIDNEY DAMAGE, DIARRHEA, MOUTH, THROAT, DIGEST TRACT BURNS.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN RASH/IRRITATION, DIZZINESS, HEADACHE, INCOORDINATION, NAUSEA, VOMITING, GI TRACT DISTURBANCES, ABDOMINAL PAIN, FEVER, DIARRHEA, MOUTH/THROAT/DIGESTIVE TRACT BURNS.

Medical Cond Aggravated by

Exposure:SOME OF COMPONENTS IN PRODUCT MAY

AGGRAVATE EXISTING MEDICAL CONDITIONS INVOLVING: LIVER, KIDNEY, SKIN, IMMUNE SYSTEM AND/OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYE: FLUSH W/WATER 15 MIN. IF IRRIT, SEE DR. SKIN: REMOVE CONTAM CLOTHING/SHOES. WASH AREA W/SOAP & WATER. IF IRRIT, SEE DR. WASH CONTAM CLOTHING BEFORE REUSE. INHAL: MOVE TO FRESH AIR. IF SYMPTOMS, GET IMMED MED AID. IF NOT BREATHING,

GIVE ARTIF RESP.

INGEST: GET MED AID. INDUCE VOMIT (IPECAC/FINGER DOWN THROAT). GIVE NOTHING BY MOUTH TO UNCONSCIOUS. NOTE TO DR: PREVENT ABSORPTN. TREAT SYMPTOMS.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:SMALL FIRE: DRY CHEMICAL, CO2, HALON, WATER SPRAY OR FOAM. LARGE FIRE: USE WATER SPRAY, FOG, OR ALCOHOL FOAM.

Fire Fighting Procedures:F

IRE FIGHTER & OTHERS WHO MAY BE EXPOSED TO
THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED W/NIOSH APPROVED
POSITIVE PRESSURE SCBA & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SHOVEL/VACUUM TO CLOSED CONTAINERS. DONT FLUSH
TO SEWER, STREAM, OR WATERBODIES. ABOVE TLV/PEL, EVACUATE
EMPLOYEES. VENT AREA. USE SUPPLIED AIR RESPIRATOR/SCBA IN ENCLOSE
D
SPACES OF IN AREAS WITH INAD EQUATE VENTILATION
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTED AREA. NO
SPECIAL PRECAUTIONS NEEDED. FOLLOW GOOD MANUFACTURING & HANDLING
PRACTICES.
Other Precautions:THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY, BECAUSE
IT CAN RETAIN PRODUCT RESIDUES. THEREFORE, DO NOT REUSE CONTAINER
FOR FOOD, CLOTHING, OR PRODU
CTS FOR HUMAN OR ANIMAL CONSUMPTION OR
WHERE SKIN CONT ACT MAY OCCUR.

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

Respiratory Protection:ABOVE TLV/PEL, WEAR NIOSH/MSHA EQUIPMENT. SEE
MFR FOR EQUIPMENT FOR SPECIFIC APPLICATIONS. OBSERVE RESPIRATOR USE
LIMITATIONS SPECIFIED BY NIOSH/MSHA OR MFR.
Ventilation:MAINTAIN BELOW TLV/PEL BY VENT. GENERAL (DILUTION) VENT MAY
BE ACCEPTABLE. LOCAL EXHAUST RECOMMENDED FOR VAPOR/DUST.
Protective Gloves:IMPERVIOUS GLOVE
S (SEE GLOVE MFR)
Eye Protection:CHEM SPLASH GOGGLES, EYE WASH FACILITY
Other Protective Equipment:WEAR PROTECTIVE CLOTHING.
Work Hygienic Practices:WASH AFTER HANDLING,ESPECIALLY BEFORE EATING,
DRINKING,SMOKING,USING RESTROOM. CLEAN CONTAM CLOTHING/SHOES BEFORE
REUSE.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:0

.1

Vapor Density:NOT GIVEN

Spec Gravity:2.1

Evaporation Rate & Reference: