

MORTON INTL INC SPECIALTY CHEMICALS GROUP -- THIOKIL MC-236 ACCELERATOR --
8030-00-753-5005

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

Product ID:THIOKIL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-753-5005

MSDS Number: BRQPW

=== 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:

714-373-2837 EXT 11/ 312-807-3422

Emergency Phone Num:800-424-9300 CHEMTREC

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:*1 MG/M3;STEL

3MG/M3
OSHA PEL:AS MN FUME: 3 MG/M3
ACGIH TLV:5 MG/M3 RESP FRACT *

Ingred Name:TERPHENYL, HYDROGENATED (LD50: ORAL-RAT >10,000 MG/KG)
CAS:61788-32-7
Fraction by Wt: 10-30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:CEILING 0.5 PPM
ACGIH TLV:0.5 PPM, 4.7 MG/M3

Ingred Name:TERPHENYL (LD50: ORAL-RAT 13,200 MG/KG)
CAS:26140-60-3
RTECS #:WZ6450000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 1.0 PPM
ACGIH TLV:C 0.53 PPM; 9394

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

Ingred Name:DIPHENYLGUANIDINE,1,3- (LD50: ORAL-RAT 507 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
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification

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Routes of Entry: Inhalation:YES 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/REPEATED CONTACT.
CONTACT CAN CAUSE HYPERSENSITIVITY (ALLERGIC) REACTIONS IN
SUSCEPTIBLE INDIVIDUALS. INHALATION: DIZZI NESS, HEADACHE,
INCOORDINATION. INGESTION: GASTROINTESTINAL IRRITATION. NAUSEA,
VOMITING, GASTROINTESTINAL UPSET.

Effects of Overexposure:DEPENDING ON THE ROUTE, FREQUENCY, AND DURATION
OF EXPOSURE TOXICITY MAY EFFECT THE FOLLOWING ORGANS AND/OR
SYSTEMS. LIVER, KIDNEY, EYE, SKIN, IMMUNE SYSTEM (ALLERGIC
REACTIONS).

Medical Cond Aggravated by Exposure:SOME OF THE COMPONENTS IN THIS
PRODUCT MAY AGGRAVATE EXISTING MEDICAL CONDITIONS. LIVER, KIDNEY,
SKIN, IMMUNE SYSTEM AND/OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYE: F
LUSH W/WATER 15 MIN. IF IRRITATION, SEE DR. SKIN:
REMOVE CONTAM CLOTHES & SHOES. WASH CONTAM SKIN W/SOAP & WATER. IF
IRRIT, SEE DR. INHAL: REMOVE TO FRESH AIR. IF SYMPTOMS, GET IMMED
MED AID. IF NOT BREATHING, GIVE ARTIF RESP. INGEST: GET MED AID.
UNLESS ADVISED OTHERWISE, INDUCE VOMITING (IPECAC/FINGER DOWN
THROAT). GIVE NOTHING BY MOUTH IF PERSON IS DROWSY, UNCONSCIOUS,
HAS NO GAG REFLEX.

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

Flash Poin
t Method:SCC
Flash Point:>200F,>93C
Extinguishing Media:SMALL FIRES: DRY CHEMICAL, CO2, HALON, WATER SPRAY,
FOAM. LARGE FIRES: WATER SPRAY, FOG, ALCOHOL FOAM.
Fire Fighting Procedures:FIRE FIGHTERS & OTHERS WHO MAY BE EXPOSED TO
COMBUSTION PRODUCTS SHOULD BE EQUIPPED W/NIOSH POSITIVE PRESSURE
SCBA & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:SHOVEL/VACUUM & PLACE IN

CLOSED CONTAINERS FOR

FURTHER HANDLING & DISPOSAL. DO NOT FLUSH TO SEWER, STREAM, OTHER WATER BODIES. IF ABOVE TLV, EVACUATE EMPLOYEES & VENT AREA. USE AIR SUPPLIED RESPIRATOR OR SCBA IN AREAS WITH INADEQUATE VENTILATION.

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. NO SPECIAL PRECAUTIONS NEEDED. FOLLOW GOOD MFR & HANDLING PRACTICES. CONTAINER CAN BE HAZARDOUS WHEN EMPTY.

Other

Precautions:DO NOT REUSE CONTAINER FOR FOOD, CLOTHING OR PRODUCTS FOR HUMAN OR ANIMAL COMSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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Exposure Controls/Personal Protection
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Respiratory Protection:ABOVE TLV/PEL WEAR NIOSH/MSHA EQUIPMENT. DETERMINE APPROPRIATE TYPE EQUIPMENT FOR SPECIFIC APPLICATION BY CONSULTING THE RESPIRATOR MFR. HIGH CONCENTRATIONS MAY NEED USE OF SCBA OR AIR SUPPLIED RESPIRATOR. OBSERVE 29 CFR 1910.134.

Ventilation:GENERAL (DILUTION) VENT TO KEEP BELOW TLV/PEL. EXHAUST VENTILATION RECOMMENDED WHEN VAPOR/MIST/DUST CAN BE RELEASED.

Protective Gloves:IMPERVIOUS GLOVES.SEE GLOVE MFR FOR TYPE

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE. WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH AFTER HANDLING, BEFORE EATING,DRINKING, SMOKING,USING RESTROOM. CLEAN & DRY CONTAM CLOTHES & SHOES BEFORE REUSE.

Supplemental Safety and Health
KEY

Y1:N1. NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR AND PROVIDING SUPPORTIVE THERAPY.

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Physical/Chemical Properties
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HCC:N1

Vapor Pres:0.1 @ 25 C

Spec Gravity:2.1 (WATER=1)

Viscosity:100-500POISES

Evaporation Rate & Reference: