

MORTON INTL INC SPECIALTY CHEMICALS GROUP -- THIOKIL MC-236 ACCELERATOR --  
8030-00-753-5006

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

Product ID:THIOKIL MC-236 ACCELERATOR  
MSDS Date:07/09/1992  
FSC:8030  
NIIN:00-753-5006  
MSDS Number: BRQPY  
=== 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:7  
14-373-2837 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: ORAL-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: FL  
USH 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 Point  
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 C

LOSED CONTAINERS FOR

FURTHER HANDLING & DISPSOAL. 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  
NOTE

TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, AMINISTERING 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: