

MORTON INTERNATIONAL, INC -- THIOKIL MC-236 ACCELERATOR -- 8030-00-685-0915

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

Product ID:THIOKIL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-685-0915

Kit Part:Y

MSDS Number: BSGFK

=== Responsible Party ===

Company Name:MORTON INTERNATIONAL, INC

Address:100 NORTH RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606

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:DO471

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL; SPECIALTY CHEM GRP

Address:333 WEST WACKER

City:CHICAGO

State:IL

ZIP:60606-1292

Phone:815-338-1800

CAGE:DO471

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 =

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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:0.5 PPM, 5 MG/M3
ACGIH TLV:0.5 PPM, 4.7 MG/M3

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

FIED
OSHA PEL:CEILING 2 MG/M3
ACGIH TLV:2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

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. I
NHALATION: 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.

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

First Aid:EYE: FLUSH 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.

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===== 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 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.

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

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 CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection:ABOVE TLV/PEL WEAR NIOSH/MSHA EQUIPMENT. DETERMINE APPROPRIATE TYPE EQUIPMENT FOR SPECIFIC APPLICATION BY CONSULTING THE RES

PIRATOR 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

KEY1:N1.NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR AND PROVIDING SUPPORTIVE THERAPY.

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

HCC:N1

Vapor Pres:0.1 @ 25 C

Spec Gravity:2.1 (WATER=1)

Viscosity:100-500POISES

Evaporation Rate & Reference: