

MORTON INTERNATIONAL, INC -- THIOKIL MC-236 ACCELERATOR -- 8030-00-579-8453

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

Product ID:THIOKIL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-579-8453

Kit Part:Y

MSDS Number: BSGFD

=== 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

Prepa

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 =====

Ingredient 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
OSHA PEL:CEILING 2 MG/M3
ACGIH TLV:2 MG/M3
EPA Rpt Qty:1000

LBS
DOT Rpt Qty:1000 LBS

===== 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. INHALATION: DIZZY NESS, HEADACHE,
INCOORDINATION. INGESTION: G
ASTROINTESTINAL 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 Measure

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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 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 CLOTHES

& SHOES BEFORE REUSE.

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 =====

HCC: N1

Vapor Pres: 0.1 @ 25 C

Spec Gravity: 2.1 (WATER=1)

Viscosity: 100-500 POISES

Evaporation Rate & Reference: