

MORTON INTL -- THIOKOL MC-236 ACCELERATOR -- 8030-00-685-0915

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Product Identification
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Product ID:THIOKOL MC-236 ACCELERATOR

MSDS Date:07/09/1992

FSC:8030

NIIN:00-685-0915

Kit Part:Y

MSDS Number: BWLDB

=== Responsible Party ===

Company Name:MORTON INTL

Address:7341 ANACONDA AVE

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837

Emergency Phone Num:800-424-9300

C

AGE:0U317

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL AEROSPACE POLYMER SYSTEMS

Address:7341 ANACONDA AVENUE

Box:City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Phone:714-373-2837

CAGE:0U317

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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:NONE RECOMMENDED

OSHA PEL:5 MG/M3 CEILING

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

Ingred Name:HYDROGENATED TERPHENYLS

CA

S:61788-32-7
RTECS #:WZ6535000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM
ACGIH TLV:0.5 PPM; 9394

Ingred Name:TERPHENYLS
CAS:26140-60-3
RTECS #:WZ6450000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
ACGIH TLV:C 0.5 PPM; 9394

Ingred Name:ETHOXYLATED NONPHENOL PHOSPHATE
CAS:51811-79-1
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3-DEPHENYL GUANIDINE
CAS:102-06-7
RTECS #:MF0875000
Fraction by Wt: 1-5%
Other REC Lim
its:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (SARA III)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 10,000MG/KG MANGANESE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chr

onic:EYES: MILD TO MODERATE IRRITATION.

SKIN: IRRITATION, HYPERSENSITIVITY REACTIONS. INGESTION:

GASTROINTESTINAL IRRITATION. TOXICITY MAY EFFECT THE FOLLOWING:

LIVER, KIDNEY, IMMUNE SYSTEM.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION-DIZZINESS, HEADACHES,

INCOORDINATION. INGESTION-NAUSEA, VOMITING, GASTROINTESTINAL UPSET.

Medical Cond Aggravated by Exposure:LIVER, KIDNEY, SKIN & IMMUNE SYSTEM

AND/OR SPECIFIC CHEMICAL ALLERGIES.

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

First Aid:EYES: FLUSH W/WATER FOR 15 MINS. SKIN: REMOVE CLOTHING/SHOES.

WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR, IF NOT

BREATHING, GIVE CPR IF NEEDED. INGESTION: UNLESS OTHERWISE ADVISED,

INDUCE VO MITING W/SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER/

STICK FINGER DOWN THROAT. GIVE NOTHING BY MOUTN IF VICTIM IS

UNCONSCIOUS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

===== Fire Fighting Measures

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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:THOSE 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 KNOWN.

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

Spill Release Pro

cedures:SHOVEL OR VACUUM SPILLED PRODUCT & PLACE IN

CLOSED CONTAINERS FOR FURTHER HANDLING & DISPOSAL. DON'T FLUSH TO

SEWER, STREAM/ OTHER BODIES OF WATER. EVACUATE AREA/USE SUPPLIED

AIR RESPIRATOR/ SCBA.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED

AREA. CONTAINER CAN BE HAZARDOUS WHEN EMPTY.

Other Precautions:BECAUSE THE CONTAINER CAN RETAIN PRODUCT RESIDUES,

DON'T REUSE FOR FOOD,

CLOTHING OR PRODUCTS FOR HUMAN OR ANIMAL
CONSUMPTION/ WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED EQUIPMENT DETERMINED
FOR SPECIFIC APPLICATION BY CONSULTING THE RESPIRATOR MANUFACTURER.
HIGH AIRBORNE CONCENTRATIONS NECESSITATE THE USE OF SCBA/SUPPLIED
AIR RESPIRATOR.

Ventilation:LOCAL EXHAUST IS RECOMMENDED WHEN VAPORS, MISTS/DUSTS CAN
BE RELEASED. GENERAL DILUTION IS ADEQ
UATE.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:EYE WASH FACILITY SHOULD BE READILY
AVAILABLE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. CONTAMINATED
CLOTHING & SHOES SHOULD BE REMOVED, THOROUGHLY CLEANED & DRIED
BEFORE REUSE

Supplemental Safety and Health

KEY1:N1. EMERGENCY FIRST AID CONT'D: NOTE TO PHYSICIAN: TREATMENT
SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE
SYMPTOMS A

S THEY OCCUR & PROVIDING SUPPORTIVE THERAPY.

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

HCC:N1

Vapor Pres:0.1

Spec Gravity:2.1

Evaporation Rate & Reference: