

MORTON INTERNATIONAL -- THIOKOL MC-250 A1/6 BASE -- 8030-00-474-1419

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Product Identification
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Product ID:THIOKOL MC-250 A1/6 BASE

MSDS Date:01/01/1996

FSC:8030

NIIN:00-474-1419

Kit Part:Y

MSDS Number: CCLRP

=== Responsible Party ===

Company Name:MORTON INTERNATIONAL

Address:100 N. RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606

Country:US

Info Phone Num:909-864-6220

Emergency Phone Num:

800-424-9300 CHEMTREC

Preparer's Name:EISENHARD

CAGE:DO471

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:MORTON INTERNATIONAL

Box:UNKNOW

CAGE:04317

Company Name:MORTON INTERNATIONAL; SPECIALTY CHEM GRP

Address:333 WEST WACKER

City:CHICAGO

State:IL

ZIP:60606-1292

Phone:815-338-1800

CAGE:DO471

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Composition/Information on Ingr

edients =====

Ingred Name:CALCIUM CARBONATE (LIMESTONE)
CAS:471-34-1
RTECS #:FF9335000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA 313) (CERCLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1
5 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9596

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 0.22%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9596

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE

: EYE CONTACT CAN CAUSE BURNS TO CORNEA, SEVERE IRRITATION. SKIN CONTACT CAN CAUSE IRRITATION. INHALATION CAN CAUSE IRRITATION OF UPPER RESPIRATORY TRACT, CNS EFFECTS. INGESTION MAY CAUSE GI TRACT IRRITATION, CNS EFFECTS. CHRONIC:PROLONGED/REPEATED EXPOSURE MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:CONTAINS SMALL AMOUNTS OF CRYSTALLINE SILICA WHICH IS LISTED BY NTP & IARC AS A SUSPECTED CARCINOGEN.

Effects of Overexposure:EYES-BURNS, SEVERE IRRITATION. SKIN-MILD T

O

MODERATE IRRITATION. INHALED-IRRITATION OF NOSE/THROAT/UPPER RESPIRATORY TRACT, DIZZINESS, HEADACHES, INCOORDINATION, NAUSEA, VOMITING, GI TRACT UPSET. INGESTED- GI TRACT IRRITATION, NAUSEA, VOMITING, DIZZINESS, FAINTNESS, DROWSINESS, INTOXICATION.

Medical Cond Aggravated by Exposure:NERVOUS SYSTEM (CENTRAL & PERIPHERAL), SKIN.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES, LIFT LIDS. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-GET IMMEDIATE MEDICAL ATTENTION. UNLESS ADVISED OTHERWISE, INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:SCC

Lower Limits:1.27

Upper Limits:7

Extinguishing Media:SMALL FIRES: CLASS B EXTINGUISHER. LARGE FIRE:

WATER FOG OR SPRAY, FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:WHEN EXPOSED TO HIGH TEMPERATURES, SUCH AS DURING A FIRE, SEALED CONTAINERS MAY RUPTURE.

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

Spill Release Procedures:SHOVEL OR VACUUM SPILLED PRODUCT & PLACE IN CLOSED CONTAINERS FOR FURTHER HANDLING AND DISPO

SAL. DO NOT FLUSH
TO SEWER, STREAM OR OTHER BODIES OF WATER.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE. DO NOT STORE ABOVE 120F/49C. FOLLOW GOOD MANUFACTURING AND HANDLING PRACTICES.

Other Precautions:THIS CONTAINER CAN BE HAZARDOUS WHEN EMPTY. BECAUSE IT CAN RETAIN PRODUCT RESIDUES. THEREFORE, DO NOT REUSE CONTAINER FOR FOOD, CLOTHING OR FOR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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Exposure Controls/Personal Protection
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Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN

EXPOSURE BELOW TLV(S).

Protective Gloves:BUTYL

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

KEY1=N1. PART A OF 2 PART KIT/PRODUCT.

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Physical/Chemical Properties
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HCC:N1

Boiling Pt:B.P. Text:231F,111C

Vapor Pres:37

Spec

Gravity:1.42

VOC Pounds/Gallon:71

Evaporation Rate & Reference:1.9 (N-BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITE PASTE; MERCAPTAN ODOR.

Percent Volatiles by Volume:5

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS OF STORAGE AND USE.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, OXIDES OF SULFUR, SMO

KE, SOOT, TOXIC FUMES (EG CARBON MONOXIDE AND CARBON DIOXIDE).
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:IF DISPOSE OF IN ORIGINAL FORM, SHOULD BE
MANAGED BY AT AN AUTHORIZED FACILITY IAW LOCAL, STATE AND FEDERAL
REGULATIONS. BEST METHODS-IN ORDER: RECYCLE; INCINERATE; TREAT AT
ACCEPTABLE WASTE TREATMENT FACILITY.

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