

MORTON INTL -- THIOKOL MC-615 BASE COMPOUND -- 8030-01-104-5396

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

Product ID:THIOKOL MC-615 BASE COMPOUND

MSDS Date:01/20/1993

FSC:8030

NIIN:01-104-5396

Kit Part:Y

MSDS Number: BVGNY

=== Responsible Party ===

Company Name:MORTON INTL

Address:7341 ANACONDA AVENUE

City:GARDEN GROVE

State:CA

ZIP:92641

Country:US

Info Phone Num:714-373-2837

Emergency Phone Num:800-424

-9300 CHEMTREC

Preparer's Name:DAVID B WIENCKOWSKI

CAGE: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

=====
Composition/Information on Ingredients
=====

Ingred Name:LIMESTONE/CALCIUM CARBONATE

CAS:471-34-1

RTECS #:FF9335000

Fraction by Wt: 30-60%

Other REC Limits:#15 MG/M3 TTL PARTIC

OSHA PEL:5 MG/M3 RESP FRACTN#

ACGIH TLV:15MG/M3 TOTAL PARTIC

Ingred Name:STRONTIUM CHROMATE 176/STRONTIUM CHROMATE (SARA III)
(ORAL/RAT LD50: 3118 MG/KG)

CAS:7789-06-2

RTECS #:GB3240000

Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.10 AS CR MG/M3

ACGIH TLV:0.0005 AS CR MG/M3

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:QUARTZ (CRYSTALLINE SILICA)

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 0.32%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

=====

Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES

Health Hazards Acute and Chronic:EYE: INJURY (BURNS) TO CORNEA & OTHER
TISSUES. SKIN: BURNS. HYPERSENSITIVITY (ALLERGIC) REACTIONS IN
SUSCEPTIBLE INDIVIDUALS. INHALATION: NOSE, THROAT, & UPPER RESP
TRACT IRRITATION. INGESTION: CORROS IVE. SEVERE MOUTH, THROAT &
DIGESTIVE TRACT BURNS. NAUSEA, VOMITING & GASTROINTESTINAL UPSET.

MAY AFFECT LIVER & KIDNEY.

Explanation of Carcinogenicity:STRONTIUM CHROMATE LISTED (NTP) HUMAN
CARCINOGEN.EPICDEMILOGICAL STUDIES INDICATE LUNG CANCER MORE
PREVELENT(QUARTZ)IARC

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH MEDICAL CONDITIONS
INVOLVING: LIVER, KIDNEY, BLOOD, HEMATOPOIETIC SYSTEM, RESPIRATORY
SYSTEM, IMMUNE, OR SPECIFIC CHEMICAL ALLERGIES SHOULD TAKE
PRECAUTIONS WHEN HANDLING THIS PRODUCT

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

=====

First Aid:EYE:IMMED FLUSH W/H2O 15 MIN,LIFT EYELID. GET IMMED MED AID.
SKIN:LRG EXPOSURE,USE EMERG SHOWER.REMOVE CONTAM CLOTH & SHOES. WASH
SKIN W/SOAP & WTR (HAIR,FINGER NAILS). GET IMMED MED AID. INHAL:
REMOVE TO FRESH AIR. IF SYMPTOM, GET IMMED MED AID. IF NO BREATH,
GIVE ARTIF RESP (MOUTH TO MOUTH). INGEST: GET MED AID. UNLESS
ADVISED OTHERWISE, INDUCE VOMIT. NOTHING BY MOUTH TO UNCONSCIOUS/NO
GAG REFLEX.

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

Flash Point Method:SCC
Flash Point:>200F,>93C
Extinguishing Media:USE AGENTS APPROVED FOR CLASS A HAZARDS (E.G.,
HALOGENATED AGENTS, FOAM, STEAM) OR WATER FOG.
Fire Fighting Procedures:FIRE FIGHTERS & OTHER EXPOSED TO COMBUSTION
PRODUCTS SHOULD BE EQUIPPED W/NIOSH POSITIVE PRESSURE
SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:SHOVEL OR VACUUM SPILLED PRODUCT AND PLACE IN
CLOSED CONTAINER FOR FURTHER HANDLING AND DISPOSAL. DO NOT FLUSH TO
SEWER, STREAM, OR OTHER BODIES OF WATER.

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

Handling and Storage Precautions:IF AIRBORNE CONCENTRATION >TLV/PEL,OR
IF HIGH AIRBORNE CONCENTRATIONS CAN OCCUR,EVACUATE EMPLOYEES & VENT
AREA.SCBA,USE IN ENCLOSED SPACES/POORLY VENTD
Other Precautions:STORE IN COOL, DRY, VENTILATED AREA. CONTAINER CA
N BE
HAZARDOUS WHEN EMPTY (PRODUCT RESIDUE). 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:>TLV/PEL,WEAR NIOSH/MSHA APPROV'D
EQUIPMENT.CONSULT MFR FOR APPROP TYPE.OBSERVE RESPIRATOR USE
LIMITS.HIGH AIRBORNE CONCENTRATIONS MAY NECESSITATE USE OF SCBA OR
SUPPLIED AIR RESPIRATOR.RESP PROTECT PROGRAM MUST BE IN

COMPLY

W/29CFR1910.134.

Ventilation:GENERAL (DILUTION) VENT MAY BE ACCEPTABLE. LOCAL EXHAUST VENT RECOMMENDED WHEN VAPOR, MIST, DUST CAN BE RELEASED.

Protective Gloves:IMPERVIOUS GLOVES-SEE GLOVE MFR

Eye Protection:WEAR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:AN EYE WASH FACILITY SHOULD BE READILY AVAILABLE. WEAR PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING ESPECIALLY BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM. WASH CONTAMINA

TED GOGGLES*

Supplemental Safety and Health

* FACESHIELD, AND GLOVES. PROFESSIONALLY LAUNDER CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.

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

HCC:T6

Spec Gravity:1.53

Solubility in Water:INSOLUBLE

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:OXIDES OF SULFUR, SMOKE, SOOT, & TOXIC

FUMES (CARBON MONOXIDE & CARBON DIOXIDE), METAL OXIDES.

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

Waste Disposal Methods:IF DISCARDED IN ORIGINAL FORM,MANAGE AT AUTHORIZED FACILITY IN COMPLIANCE W/FED,STATE,LOCAL REQ'MNTS.BE SURE TO CONTACT GOVERNMENT ENVIRONMENTAL AGENCY IF FURTHER GUIDANCE REQ'D.ORDER OF PREFERENCE:1.RECYCLE/REWORK.2.INCINERATE.3.TREAT AT WASTE FACILITY

Disclaimer (provided with this information by the compiling agencies):

This i

Information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.