

MORTON THIOKOL, INC., MORTON CHEMICAL DIVISION -- A-12T PART B FORMULATED EPOXY RESIN -- 8040-00-180-6312

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

Product ID:A-12T PART B FORMULATED EPOXY RESIN

MSDS Date:03/29/1988

FSC:8040

NIIN:00-180-6312

Kit Part:Y

MSDS Number: BLJSB

=== Responsible Party ===

Company Name:MORTON THIOKOL, INC., MORTON CHEMICAL DIVISION

Address:333 WEST WACKER DRIVE

City:CHICAGO

State

:IL

ZIP:60606-1292

Country:US

Info Phone Num:312-807-3221

Emergency Phone Num:815-338-1800 (24 HRS/DAY)

CAGE:07703

=== Contractor Identification ===

Company Name:CORDANT TECHNOLOGIES INC. THIOKOL PROPULSION

Address:9160 N HWY 83

Box:707

City:BRIGHAM CITY

State:UT

ZIP:84302-0707

Phone:435-863-8545,435-863-3325

CAGE:07703

Company Name:MORTON INTERNATIONAL, INC

Address:100 NORTH RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606

Country:US

Phone:312-807-3422/714-373-2837 EXT

CAGE:7W447

=====

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

Ingred Name:AMIDE RESIN
Fraction by Wt: 50-70%
Other REC Limits:NONE SPECIFIED

Ingred Name:TRIETHYLENE TETRAMINE
CAS:112-24-3
RTECS #:YE6650000
Fraction by Wt: 5-10%
Other REC Limits:NONE SPECIFIED

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Fraction by Wt: 1-5%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA DIOXIDE/FUMED SILICA
CAS:112945-52-5
RTECS #:VV7310000
Fraction by Wt: 20-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:20 MPPCF3
ACGIH TLV:0.1 MG/M3 (A)

==== Hazards Identification =====

LD50 LC50 Mixture:ORL LD50: >8 G/KG RAT; SKIN RBT: >8 G/KG
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Health Hazards Acute and Chronic:SKIN CONTACT: MILD SKIN IRRITANT. EYE
CONTACT: A SEVERE EYE IRRITANT. SILICA DUST CAUSES SILICOSIS, AN
IRREVERSIBLE CHRONIC DISEASE OF THE LUNGS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS MAY BE MORE SUCEPTIBLE TO THE EFFECTS OF THE AMINE.

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

First Aid:EYE: FLUSH WITH LARGE VOLUMES OF FRESH WATER. GET PROMPT
MEDICAL ATTENTION. SKIN: WIPE OFF EXCESS, RINSE WITH 5% ACETIC ACID
& WASH THOROUGHLY WITH SOAP & WATER. INHALATION: MOVE TO FRESH AIR.
IF BREATHING IS DIFFICULT, GET PROMPT MEDICAL

ATTENTION.

INGESTION: SEE PHYSICIAN IMMEDIATELY. CONTACT NEAREST REGIONAL POISON CONTROL CENTER.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, SAND.

Fire Fighting Procedures:DO NOT BREATHE SMOKE OR FUMES. WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

=====

Spill Release Procedures:SCOOP UP EXCESS AND REMOVE. SCRUB WITH 5% ACETIC ACID. RINSE WITH VERY HOT WATER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED. AVOID INHALATION OF FUMES OR SKIN AND EYE CONTACT.

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

Respiratory Protection:NOT REQUIRED.

Ventilation:PROVIDE VENTILATION PER LEL.

Protective

Gloves:PLASTIC OR RUBBER GLOVES PREFERRED.

Eye Protection:GOGGLES FOR EYE PROTECTION.

Other Protective Equipment:OTHER EQUIP AS NECESSARY TO PREVENT CONTACT W/ SKIN, EYES & STREET CLOTHES. EYE WASH STATION & SHOWER SHOULD BE AVAIL.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING, SMOKING OR USING RESTROOM FACILITIES.

Supplemental Safety and Health

THIS PRODUCT IS NOT LIKELY TO RELEASE DUST. INHALATION OF SOLID PARTICLES, SUCH AS SILICA OR ALUMINA, IS UNLIKELY UND

ER THESE
CIRCUMSTANCES.

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

HCC:V7
Spec Gravity:1.21
Solubility in Water:INSOLUBLE
Appearance and Odor:GRAY PASTE; AMINE ODOR.
Percent Volatiles by Volume:7

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

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,
NITROGEN OXIDES.

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

Wa
ste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This 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 a
nd
assume responsibility for the suitability of this information to their
particular situation.