

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

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

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

MSDS Date:03/29/1988

FSC:8040

NIIN:00-180-6312

Kit Part:Y

MSDS Number: BLJRZ

=== 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

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

Ingred Name:BISPHENOL TYPE A EPOXY RESIN

Fraction by Wt: 50-70%

Other REC Limits:NONE SPECIFIED

Ingred Name:SILICA DIOXIDE/FUMED SILICA

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: 10-20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:20 MPPCF3

ACGIH TLV:0.1 MG/M3 (A)

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

==== Hazards Identification =====

LD50 LC50 Mixture:ORL LD50>10G/KG RAT;DERM LD50>6G/KG RABB

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:INGESTION: GASTROINTESTINAL UPSET, VOMITING. SKIN: IRRITATION, SENSITIZATION & DERMATITIS. EYE: SLIGHT IRRITATION. INHALATION: SINCE THIS MATERIAL IS A NON-VOLATILE LIQUID, INHALATION IS UNLIKELY. CHRONIC: B

REATHING SILICA DUST CAN

LEAD TOSILICOSIS, A DISEASE OF THE LUNGS-SILICA DUST DOES NOT NORMALLY EXIST.

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

First Aid:EYE: FLUSH W/LG AMTS FRESH WATER-15 MIN. LIFTING UPPER/LOWER EYELIDS FREQUENTLY. GET MED AID IMMED. SKIN: PROMPTLY REMOVE ALL CONTAM CLOTH. SHOWER IF NECESSARY. WASH W/SOAP/WATER. IF IRRIT PRESENT AFT ER WASHING, GET MED AID IMMED. INHALE: REMOVE TO FRESH AIR. BREATHING STOPPED: GIVE CPR. KE

EP WARM & AT REST. GET MED AID

IMMED. INGEST: SEEK MEDICAL AID. IF UNAVAIL, CONTACT NEAREST POISON
CNTRL CTR.

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

Flash Point Method:SCC

Flash Point:>200F,>93C

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR NIOSH/MSHA APPROVED
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE TO OUR KNOWLEDGE.

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

Spill Release Procedures:STOP DISCHARGE AND CONTAIN SPILL OR
CONTAMINATED MATERIAL USING DIKE, BARRIER OR OTHER MEANS. SHOVEL OR
VACUUM UP AND PLACE MATERIAL IN CONTAINERS FOR FURTHER HANDLING.

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

Handling and Storage Precautions:DO NOT FLUSH TO STREAM, OTHER BODIES
OF WATER, SEWER. AVOID CONTACT WIT EYES AND SKIN. STORE IN COOL,
DRY AREA. USE UNDER WELL-VENTILATED CONDITIONS.

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

Respiratory Protection:NOT TYPICALLY REQUIRED. NIOSH/MSHA APPROVED
CHEMICAL CARTRIDGE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES AND
DUST PRE- FILTERS OR DUST MASKS AS NECESSARY WITHIN EQUIPMENT
LIMITATIONS. COMPLY W/ OSHA 19 10.134 CFR RESPIRATORY PROTECTION.

Ventilation:PROVIDE VENTILATION.

Protective Gloves:CHEMICAL RESISTANT GLOVES RECOMMENDED.

Eye Protection:SAFETY GLASSES/CHEM GOGGLES/FACESHIELD.

Other Protective Eq

uipment:WORK CLOTHING FOR GENERAL BODY PROTECTION.

EYE WASH SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:FOR PERSONAL HYGIENE PROTECTION, PERSONNEL
SHOULD WASH THOROUGHLY AFTER HANDLING PRODUCT.

Supplemental Safety and Health

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

HCC:V7

Spec Gravity:1.42

Solubility in Water:INSOLUBLE

Appearance and Odor:BROWN

Percent Volatiles by Volume:0

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

Stabili

ty Indicator/Materials to Avoid: YES

STRONG ACIDS, OXIDIZING SUBSTANCES.

Stability Condition to Avoid: STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products: IF BURNED, GIVES OFF CARBON DIOXIDE,
CARBON MONOXIDE, OTHER TOXIC FUMES AND SMOKE.

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

Waste Disposal Methods: CHECK FEDERAL, STATE AND LOCAL REPORTING
REGULATIONS. (A) RECYCLE IF FEASIBLE. (B) INCINERATE IN AUTHORIZED
FACILITY. (C) LANDFILL IN AUTHORIZED FA
CILITY. IF DISCARDED,
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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