

MORTON INTERNATIONAL -- A-36 PART-A, EPOXY RESIN -- 8040-00-159-4846

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Product Identification
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Product ID:A-36 PART-A, EPOXY RESIN

MSDS Date:01/30/1991

FSC:8040

NIIN:00-159-4846

Kit Part:Y

MSDS Number: CDVFD

=== Responsible Party ===

Company Name:MORTON INTERNATIONAL

Address:100 NORTH RIVERSIDE PLAZA

City:CHICAGO

State:IL

ZIP:60606-1596

Country:US

Info Phone Num:312-807-3212

Emergency Ph

one Num:800-424-9300 (CHEMTREC)

CAGE:DO471

=== Contractor Identification ===

Company Name:MORTON INTERNATIONAL; SPECIALTY CHEM GRP

Address:333 WEST WACKER

City:CHICAGO

State:IL

ZIP:60606-1292

Phone:815-338-1800

CAGE:DO471

Company Name:MORTON INTL INC SPECIALTY CHEMICALS GROUP

Address:333 W WACKER DR

City:CHICAGO

State:IL

ZIP:60606-1218

Country:US

Phone:312-807-2000

CAGE:32063

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Composition/Information on Ingredients
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Ingred Name:BISPHENOL A-EPICHLOROHYDRIN COPOLYMER;

(BISPHENOL

A/EPICHLOROHYDRIN RESIN) LD50 (ORAL RAT): 11,400 MG/KG

CAS:25068-38-6

RTECS #:SL6475000

Fraction by Wt: 90-100%

OSHA PEL:N/K

ACGIH TLV:N/K

Ingred Name:SILICA GEL; (SILICA, AMORPHOUS/SILICON DIOXIDE, AMORPHOUS)

LD50 (ORAL RAT): 3 G/KG

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: 5-10%

OSHA PEL:6 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:SUP DAT: CLTHG, CLEAR AIRWAY, & KEEP PERS WARM. NOTE TO MD:

TREATMENT SHOULD BE DIRECTED AT PVNTG ABSORPTION, (ING 4)

RTECS #:9999999Z

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Ingred Name:ING 3: ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR, AND PROVIDING SUPPORTIVE THERAPY.

RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP: MUTAGENIC ACTIVITY IN OTHERS. CHROMOSOMAL ABERRATIONS HAVE BEEN OBSERVED IN CULTURED RAT LIVER (ING 6)

RTECS #:9999999ZZ

Ingred Name:ING 5: CELLS. ING 2: MAY CAUSE MECH IRRIT TO OCULAR TISS.

PRLNG CONT W/SKIN MAY CAUSE DRYNESS. PRLNG & RPTD EXPOS(ING 7)

RTECS #:9999999ZZ

Ingred Name:ING 6: TO AMORPHOUS SILICA DUSTS CAN LEAD TO DEVEL OF

PNEUMOCONIOSIS (DEPOSITION OF PARTICULATES IN LUNGS).

RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH: REQS. BE SURE TO CONT APPROP GOVT ENVIRON AGENCIES IF FURTHER DISP GUIDANCE IS REQUIRED. OF THE (ING 9)

RTECS #:9999999ZZ

Ingred Name:ING 8: METHS OF DISP CURRENTLY AVAIL, IT IS REC THAT

ALTERNATIVE BE SELECTED ACCORDING TO THE FOLLOWING ORDER OF(ING 10)

RTECS #:9999999ZZ

Ingred Name:ING 9: PREF, BASED UPON ENVIRON ACCEPTABILITY: (1) RECYCLE/REWORK IT AT ALL FEASIBLE, (2) INCI

N AT AUTHORIZED (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: FACILITY, (3) TREAT AT ACCEPTABLE WASTE TREATMENT
FACILITY/(4) LANDFILL AT APPRVD FACILITY (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11: SOLIDIFICATION OR FIXATION MAY BE REQUIRED PRIOR TO
DISPOSAL).
RTECS #:9999999ZZ

Ingred Name:RESP PROT: RESPIRATOR. IN ADDITION, RESPIRATORY PROTECTION
PROGRAMS MUST BE IN COMPLIANCE W/29 CFR 1910.134.
RTECS #:9999999ZZ

Ingred Name:VENT: HOWEVER, LOCAL EXHAUST VENTILATION IS RECOMME
NDED
WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED.
RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT: SHOULD BE THOROUGHLY CLEANED AND DRIED
BEFORE REUSE.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: AS FULLER'S EARTH, CLAY/OTHER APPROP SYNTHETIC
ABSORB. PLACE CONTAM MATL IN SUITABLE CONTR FOR (ING 17)
RTECS #:9999999ZZ

Ingred Name:ING 16: FURTHER HNDLG & DISP. APPROP SFTY MEASURES & PROT
EQUIP SHOULD BE USED. DO NOT FLUSH TO SEWER, STREAM OR(ING 18)
RTECS #:9999999ZZ

Ingred Name:ING
17: OTHER BODIES OF WATER UNLESS AUTHORIZED TO DO SO BY
APPROP GOVT OFFICIAL. IF AIRBORNE CONC EXCEEDS TLV/ (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18: PEL, OR IF HIGH AIRBORNE CONCS CAN OCCUR, EVACUATE
EMPLOYEES & VENT AREA. A NIOSH APPRVD SUPP AIR RESP (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19: OR SCBA, SHOULD BE USED FOR ENTRY INTO ENCLSD
SPACES/IN AREAS W/INADEQ VENT. THIS PROD MAY CONTAIN ONE/ (ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20: MORE HAZ SUBSTANCES LISTED EI

OTHER BY U.S. EPA
(CERCLA, 40 CFR 302.4)/BY U.S. DOT (49 CFR 172.101, (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21: APPENDIX), FOR WHICH A "REPORTABLE QTY" (RQ) HAS
BEEN ESTABLISHED. IF A QTY EQUAL TO/GREATER THAN THE (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22: ESTABLISHED RQ IS RELEASED INTO ENVIRON, NATIONAL
RESPONSE CTR (NRC) AT 800-424-8802 MUST BE NOTIFIED (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23: IMMEDIATE. THIS PRODUCT ALSO CONTAINS EXTREMELY HAZARDOUS
SUBSTANCE, WHICH MAY REQUIRE ADDITIONAL REPORTING UNDER SARA (ING 25)
RTECS #:9999999ZZ

Ingred Name:ING 24: TITLE III (40 CFR 355.40). OTHER FEDERAL, STATE,
AND LOCAL REPORTING REGULATIONS MAY APPLY.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENTS.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE: CONT W/OCULAR TISSUE CAN
CAUSE MILD TO MOD IRRIT. SKIN: CAN CAUSE MILD TO MOD IRRIT. CONT
CAN LEAD TO DEVELOPMENT OF HYPERSENSITIVITY (ALLERGY) IN SUSCEPTIBLE
INDIVIDUALS. INHAL: UNDER NORMAL CONDITIONS OF USE, NO ADVERSE EFFECTS ARE
EXPECTED. INGEST: RELATIVELY LOW ORDER OF TOXICITY & NOT EXPECTED TO
PRODUCE (EFFECTS OF OVEREXPOSURE)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HEALTH HAZARD: ANY ADVERSE EFFECTS FOLLOWING ACUTE
EXPOSURE. DEPENDING ON ROUTE, FREQUENCY, & DURATION OF EXPOSURE, TOXICITY MAY
OCCUR IN EYE, SKIN, IMMUNE SYSTEM
(ALLERGIC REACTIONS). TOXICITY INFO: ING 1:
MODERATE IRRITATION TO EYES & SKIN. MAY CAUSE SKIN SENSITIZATION. HAS BEEN SHOWN
TO BE MUTAGENIC IN SOME MICROBIAL ASSAYS, BUT HAS FAILED TO PRODUCE
(ING 5)
Medical Conditions Aggravated by Exposure:INDIVIDUALS WITH MEDICAL CONDITIONS
INVOLVING RESPIRATORY SYSTEM, SKIN, IMMUNE SYSTEM AND/OR SPECIFIC
CHEMICAL ALLERGIES MAY BE MORE SUSCEPTIBLE TO THE POSSIBLE EFFECTS
PRODUCED BY OVEREXPOSURE.

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

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First Aid: EYE: FLUSH W/STEADY STREAM OF WATER FOR AT LEAST 15 MIN. LIFT UPPER & LOWER EYELIDS FREQUENTLY. GET PROMPT MED ATTN. SKIN: REMOVE CONTAM CLTHG & SHOES. WASH AFFECTED AREA W/MILD SOAP & PLENTY OF WATER. IF IRRIT DEVELOPS, CONSULT MD. WASH CONTAM CLTHG BEFORE REUSE. INHAL: REMOVE TO FRESH AIR. SUPPORT BRTHG (GIVE OXYGEN/ARTF RESP). INGEST: CALL POIS CTL CTR, EMER ROOM/MD. UNLESS (SUP DAT)

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

Flash Point: >200F, >93C
Extinguishing Media: SML FIRES: USE WATER (SPRAY, FOG/STREAM), FOAM, DRY CHEM/CARBON DIOXIDE. LGE FIRES: WATER (SPRAY/STREAM)/STD FOAM.
Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard: NONE KNOWN.

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

Spill Release Procedures: STOP DISCHARGE & CONTAIN SPILL/CONTAM MATL USING DIKE/BARRIER. IF A SUBSTANTIAL QTY IS SPILLED & CANNOT BE PUMPED, RECOVER W/PUMPING EQUIP/VACUUM TRUCK. EXPLO-PROOF EQUIP SHOULD BE USED IF THIS PROD IS FLAMM/COMBUST. OTHERWISE, USE ABSORB SUCH (ING 16)
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORE IN COOL, DRY, WELL-VENTILATED AREA. PROTECT FROM FREEZING. DO NOT STORE ABOVE 86F (30C). 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 PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY OCCUR.

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

Respiratory Protection: WHEN AIRBORNE CONCS ARE EXCEEDED, WEAR NIOSH APPROVED EQUIP. DETERMINE APPROP TYPE BY CONSULTING RESP MFR. OBSERVE RESP USE LIMITATIONS SPECIFIED BY NIOSH/MFR. HIGH AIRBORNE CONCS

MAY NECESSATE USE OF NIOSH APPROVED SCBA/SUPPLIED AIR (ING 13)

Ventilation: MINIMIZE EXPOSURE BY PROVIDING ADEQUATE VENTILATION.

GENERAL (DILUTION) VENTILATION MAY BE ACCEPTABLE. (ING 14)

Protective Gloves: IMPERVIOUS GLOVES .

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES .

Other Protective Equipment: EMERGENCY EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA .

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING/USING RESTROOM FACILITIES. CONTAMINATED CLOTHING & SHOES

(ING 15)

Supplemental Safety and Health

FIRST AID PROCEDURE: ADVISED OTHERWISE, INDUCE VOMIT BY GIVING EITHER SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER/BY STICKING FINGER DOWN THROAT. IF PERSON IS DROWSY/UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH/LEAVE ALONE. NEVER GIVE ANYTHING TO DRINK TO A PERSON WHO IS CONVULSING/HAS NO GAG REFLEX. LOOSEN TIGHT FITTING (ING 3)

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

Spec Gravity: 1.17 (H₂O=1)

Evaporation Rate & Reference: