

MORTON INTERNATIONAL -- A-36 PART-B, LEWIS ACID -- 8040-00-159-4846

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

Product ID:A-36 PART-B, LEWIS ACID

MSDS Date:01/15/1991

FSC:8040

NIIN:00-159-4846

Kit Part:Y

MSDS Number: CDVFF

=== 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 Phone

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

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

Ingred Name:BORANE, TRIFLUORO-; (BORON TRIFLUORIDE) (

SARA 302)
CAS:7637-07-2
RTECS #:ED2275000
Fraction by Wt: 30-60%
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM

Ingred Name:FIBERGLASS (FIBROUS GLASS)
CAS:65997-17-3
Fraction by Wt: 30-60%
OSHA PEL:5 MG/M3 RESP DUST
ACGIH TLV:10 MG/M3 (3 G/KG
CAS:112945-52-5
RTECS #:VV7310000
Fraction by Wt: 1-5%
OSHA PEL:6 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:SUP DAT: ANYTHING BY MOUTH/LEAVE ALONE. NEVER GIVE ANYTHING
TO DRINK TO A PERS WHO IS CONVULSING/HAS NO GAG (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4: REFLE
X. LOOSEN TIGHT FITTING CLTHG, CLEAR AIRWAY, &
KEEP PERS WARM. NOTE TO MD: TREATMENT SHOULD BE (ING 6)
RTECS #:9999999ZZ

Ingred Name:ING 5: DIRECTED AT PREVENTING ABSORPTION, ADMINSTERING TO
SYMP S AS THEY OCCUR, & PROVIDING SUPPORTIVE THERAPY.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP: DRYNESS & BLEEDING. INGEST OF PURE FORM IS
UNLIKELY (GAS). ING 2: IRRIT TO EYES & SKIN BY MECH (ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7: ACTION. CAN CAUSE GI IRRIT IF INGESTED. INHAL OF
R
ESP PARTICLES MAY RSLT IN MILD, TRANSIENT IRRIT OF UPPER(ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: RESP TRACT. ING 3: MAY CAUSE MECH IRRIT TO OCULAR
TISS. PRLNG CONT W/SKIN MAY CAUSE DRYNESS. PRLNG & RPTD(ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: CONT W/SKIN MAY CAUSE DRYNESS. PRLNG/RPTD EXPOS TO
AMORPHOUS SILICA DUSTS CAN LEAD TO THE DEVELOPMENT OF (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: PNEUMOCONIOSIS (DEPOSITION OF PARTICULATES IN
LUNGS).
RTECS #:9999999ZZ

Ingred N

ame:WASTE DISP METH: W/ALL APPLIC FED, STATE, & LOC
REQUIREMENTS. FOR MORE SPECIFIC INFORMATION CONTACT NEHC .
RTECS #:9999999ZZ

Inged Name:RESP PROT: NECESSITATE USE OF NIOSH APPRVD SCBA/SUPPLIED
AIR RESP. IN ADDN, RESP PROT PROGRAMS MUST BE IN (ING 14)
RTECS #:9999999ZZ

Inged Name:ING 13: COMPLIANCE WITH 29 CFR 1910.134.
RTECS #:9999999ZZ

Inged Name:VENT: ACCEPTABLE. HOWEVER, LOCAL EXHAUST VENTILATION IS
RECOMMENDED WHEN VAPORS, MISTS, OR DUSTS CAN BE RELEASED.
RTECS #:999999
9ZZ

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

Inged Name:SPILL PROC: AS FULLER'S EARTH, CLAY/OTHER APPROP SYNTHETIC
ABSORB. PLACE CONTAM MATL IN SUITABLE CONTR FOR (ING 18)
RTECS #:9999999ZZ

Inged Name:ING 17: FURTHER HNDLG & DISP. APPROP SFTY MEASURES & PROT
EQUIP SHOULD BE USED. DO NOT FLUSH TO SEWER, STREAM OR(ING 19)
RTECS #:9999999ZZ

Inged Name:ING 18: OTHER BODIES OF WATER UNLESS AUTHORIZED TO DO SO BY
APPROP GO
VT OFFICIAL. IF AIRBORNE CONC EXCEEDS TLV/ (ING 20)
RTECS #:9999999ZZ

Inged Name:ING 19: PEL, OR IF HIGH AIRBORNE CONCS CAN OCCUR, EVACUATE
EMPLOYEES & VENT AREA. A NIOSH APPRVD SUPP AIR RESP (ING 21)
RTECS #:9999999ZZ

Inged Name:ING 20: OR SCBA, SHOULD BE USED FOR ENTRY INTO ENCLSD
SPACES/IN AREAS W/INADEQ VENT. THIS PROD MAY CONTAIN ONE/ (ING 22)
RTECS #:9999999ZZ

Inged Name:ING 21: MORE HAZ SUBSTANCES LISTED EITHER BY U.S. EPA
(CERCLA, 40 CFR 302.4)/BY U.S. DOT (49 CFR 172.1

01, (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22: APPENDIX), FOR WHICH A "REPORTABLE QTY" (RQ) HAS
BEEN ESTABLISHED. FOR MORE SPECIFIC INFO CONT NEHC .
RTECS #:9999999ZZ

Ingred Name:EYE PROTECTION: AND FULL LENGTH FACESHIELD .
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:SEE INGREDIENT 3.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:
ACUTE: EYE: CAN CAUSE DMG TO CORNEA &
OTHER OCULAR TISS. CORR! CONT CAN CAUSE BURNS & SEV DMG TO OCULAR
TISS. SKIN: CAN CAUSE SKIN BURNS. INHAL: CAN CAUSE IRRIT TO NOSE,
THROAT, & UPPER RESP TRACT. IRRIT TO BRONCHI & LOWER RESP TRACT.
CAN BE HARMFUL/FATAL IF INHALED AT HIGH CONCS. INGEST: EXPOS BY
(EFFECTS OF OVEREXPOSURE)

Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HEALTH HAZ: INGEST IS UNLIKELY. DEPENDING ON RTE,
FREQUENCY, & DURATION OF EXPOS, TOX MAY
OCCUR IN LIVER, KIDNEY,
RESP SYS, HEART/CARDIOVASCULAR SYS, EYE, SKIN. TOX INFO: ING 1:
EYE/SKIN CONT CAN CAUSE SEV IRRIT/BURNS. INHAL CAUSES DMG TO
LUNGS, HEART, LIVER, KIDNEYS, & SPLEEN. REPTD/PRLNG BRTHG CAN CAUSE
NASAL (ING 7)

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH MEDICAL CONDITIONS
INVOLVING KIDNEY, RESPIRATORY SYSTEM AND SKIN, MAY BE MORE
SUSCEPTIBLE TO THE POSSIBLE EFFECTS PRODUCED BY OVEREXPOSURE.

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

First Aid:EYE: FLUSH W/STEADY STREAM OF WATER FOR AT LEAST 15 MIN. LIFT
UPPER & LOWER EYELIDS FREQUENTLY. IMMEDIATE MED ATTN IS ESSENTIAL.
SKIN: IMMEDIATE FLUSH W/WATER FOR AT LEAST 15 MIN. FOR LGE EXPOS, USE
EMERGENCY SHOWER. REMOVE CONTAM CLOTHG & SHOES. CLEANSE SKIN W/MILD SOAP
& PLENTY OF WATER, INCL HAIR & UNDER FINGER NAILS. GET IMMEDIATE MED
ATTN. WASH CONTAM CLOTHG THOROUGH BEFORE REUSE. INHAL: REMOVE TO FRESH
(SEE SUP DAT)

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

es =====

Flash Point Method:SCC

Flash Point:>200F,>93C

Extinguishing Media:SML FIRES: USE DRY CHEM, CARBON DIOXIDE, HALON,
WATER SPRAY/FOAM. LGE FIRES: USE WATER SPRAY, FOG/ALCOHOL FOAM.

Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE
EQUIPMENT .

Unusual Fire/Explosion Hazard:MAY LIBERATE IRRITATING OR TOXIC VAPORS
DURING COMBUSTION OR DECOMPOSITION.

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

Spill Release Procedures:ST

OP DISCHARGE & CONTAIN SPILL/CONTAM MATL

USING DIKE/BARRIER. IF A SUBSTANTIAL QTY IS SPILLED & CAN BE
PUMPED, RECOVER W/PUMPING EQUIP/VACUUM TRUCK. EXPLO-PROOF EQUIP
SHOULD BE USED IF THIS PROD IS F LAMM/COMBUST. OTHERWISE, USE
ABSORB SUCH (ING 17)

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. AVOID BRTHG VAP &/MIST.

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

Respiratory Protection:WHEN ESTABLISHED AIRBORNE EXPOS LIMS ARE
SURPASSED, WEAR NIOS

H APPRVD EQUIP. DETERMINE APPROP TYPE EQUIP FOR
SPECIFIC APPLICATION BY CONSULTING RESP MFR. OBSERVE RESP USE
LIMITATIONS SPECIFIED BY NIOS H/MFR. HIGH AIRBORNE CONCS MAY (ING
13)

Ventilation:MAINTAIN AIRBORNE CONCS BELOW ESTABLISHED EXPOS LIMS BY
PROVIDING ADEQ VENT. GEN (DILUTION) VENT MAY BE (ING 15)

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGG (ING 24)

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

CRITERIA . RUBBER BOOTS AND APRON.

Work Hygienic Practices:WASH THORO AFTER HNDLG, ESP BEFORE EATING,
DRINKING, SMKNG/USING RESTROOM FACILITIES. CONTAM CLTHG & SHOES
(ING 16)

Supplemental Safety and Health

FIRST AID PROC: AIR. IF SYMPS DEVELOP, SEEK IMMED MED ATTN. IF NOT
BRTHG, GIVE ARTF RESP, PREF MOUTH-TO-MOUTH. INGEST: DO NOT INDUCE
VOMIT. CALL POIS CTL CTR, EMER ROOM/MD. RINSE MOUTH W/COPIOUS AMTS
OF WATER & GIVE 2 CUPS OF WATER TO DRINK. DO NOT GIVE CARBONATED
DRIN

KS. IF PERS IS DROWSY/UNCON, DO NOT GIVE (ING 4)

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

Spec Gravity:1.20 (H*2O=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER

Percent Volatiles by Volume:100 WT

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:IF HEATED TO

HIGH TEMPS, PROD MAY EMIT

SMOKE, SOOT, & TOXIC FUMES (CARBON DIOXIDE & CARBON MONOXIDE).

METALLIC OXIDES.

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

Waste Disposal Methods:IF DISCARDED IN ITS ORIGINAL UNUSED FORM, PROD
EXHIBITS CHARACTS OF RCRA HAZ WASTE AS DEFINED UNDER: 40 CFR 261.22
(I.E., CORR-D002). THEREFORE, IT MUST BE MANAGED
(STORED/TREATED/DISPOSED/ETC) AT PRO PERLY PERMITTED FACILITY, IN
COMPLIANCE(ING 12)

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 and
assume responsibility for the suitability of this information to their
particular situation.