

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 9150
NIIN: 00N065689
Manufacturer's CAGE: 0T2K4
Part No. Indicator: A
Part Number/Trade Name: BERRYMAN 1-AB BLEND

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General Information
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Item Name:
Company's Name: DELTA DIST. INC
Company's Street: 11344 PLANO RD
Company's P. O. Box:
Company's City: DALLAS
Company's State: TX
Company's Country: US
Company's Zip Code: 75243
Company's Emerg Ph #: 800-424-9300(CHEMTREC)
Company's Info Ph #: 214-341-0510
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01MAR90
Safety Data Review Date: 31OCT95
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BZRMV
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

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NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: TOLUENE (SARA 313) (CERCLA)
Ingredient Sequence Number: 01
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: XS5250000
CAS Number: 108-88-3
OSHA PEL: 200 PPM
ACGIH TLV: S, 50 PPM
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ACETONE (SARA 313) (CERCLA)
Ingredient Sequence Number: 02
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: AL3150000
CAS Number: 67-64-1
OSHA PEL: 1000 PPM
ACGIH TLV: 750PPM/1000STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ETHANOL, 2-BUTOXY-; (2-BUTOXYETHANOL)
Ingredient Sequence Number: 03
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: S, 50 PPM
ACGIH TLV: S, 25 PPM
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: LIGHT ALIPHATIC SOLVENT NAPHTHA
Ingredient Sequence Number: 04
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1004118AS
CAS Number: 164742-89-8
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

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Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ISOPROPYL ALCOHOL; (ISOPROPANOL) (SARA 313)
Ingredient Sequence Number: 05
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM

ACGIH TLV: 400 PPM/500STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: 2-BUTANONE; (METHYL ETHYL KETONE) (MEK) (SARA 313) (CERCLA)
Ingredient Sequence Number: 06
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: EL6475000
CAS Number: 78-93-3
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM/300STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: METHYL ALCOHOL; (METHANOL) (SARA 313) (CERCLA)
Ingredient Sequence Number: 07
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: PC1400000
CAS Number: 67-56-1
OSHA PEL: S, 200 PPM
ACGIH TLV: S,200PPM/250STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: EFTS OF OVEREXP:INFO & SAFE HNDLG & EXPOS INFO (FP N). ANIMAL
STUDIES CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE (ING 9)
Ingredient Sequence Number: 08
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 8:EFTS ON CNS, HEMATOPOIETIC TISS, BLOOD, KIDNEYS & LIVER,

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ASSOC W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL (ING 10)
Ingredient Sequence Number: 09
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 9:ETHER (EGBE). (EXTRACTED FROM DHHS (NIOSH) PUBLICATION
NO. 90-118 (FP N). VAP HARMFUL. BRTHG VAP CAN CAUSE(ING 11)
Ingredient Sequence Number: 10
Percent: N/K

Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: ING 10:IRRIT. CAN CAUSE DMG TO KIDNEYS, BLOOD, NERVES, LIVER &
 LUNGS. RPTD EXPOS OVER TLV CAN CAUSE BLINDNESS. (ING 12)
 Ingredient Sequence Number: 11
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: ING 11:EYE/SKIN CONT:LIQ CAN CAUSE EYE IRRIT. WASH THORO AFTER
 HNDLG. ABSORP THRU SKIN MAY BE HARMFUL. STUDIES (ING 13)
 Ingredient Sequence Number: 12
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: ING 12:W/LAB ANIMALS INDICATE PROD CAN CAUSE DMG TO FETUS.
 POSS CANCER HAZ BASED ON TESTS W/LAB ANIMALS (ING 14)

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Ingredient Sequence Number: 13
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: ING 13:USING ETHYLENE OXIDE. OVEREXPOSURE MAY CREATE CANCER
 RISK.
 Ingredient Sequence Number: 14
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

 Proprietary: NO

Ingredient: FIRST AID PROC:BEEN INDUCED, GIVE TWO TEASPOONSFULL OF BAKING SODA IN A GLASS OF WATER. NEVER GIVE ANYTHING BY (ING 16)

Ingredient Sequence Number: 15

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

 Proprietary: NO

Ingredient: ING 15:MOUTH TO AN UNCONSCIOUS PERSON. HAVE PATIENT LIE DOWN AND KEEP WARM. COVER EYES TO EXCLUDE LIGHT.

Ingredient Sequence Number: 16

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

 Proprietary: NO

Ingredient: OTHER PRECS:USE ONLY W/ADEQ VENT. AVOID BRTHG OF VAP/SPRAY MIST. DO NOT GET IN EYES, ON SKIN/CLTHG.(ING 18)

Ingredient Sequence Number: 17

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Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

 Proprietary: NO

Ingredient: ING 17:KEEP CNTNR TIGHTLY CLSD & UPRIGHT WHEN NOT IN USE TO PVNT LEAKAGE. CNTNR HAZ WHEN EMPTY/PARTIALLY EMPTY. (ING 19)

Ingredient Sequence Number: 18

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

 Proprietary: NO

Ingredient: ING 18:SINCE CNTNRS RETAIN PROD VAP/LIQ RESIDUES, ALL HAZ PRECS MUST BE OBSERVED. RESIDUAL VAPS MAY EXPLODE ON IGNIT.

Ingredient Sequence Number: 19

Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

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Physical/Chemical Characteristics
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Appearance And Odor: LIQUID, WATER-WHITE WITH A KETONE ODOR.
Boiling Point: >135F,>57C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): 65.3 @ 20C
Vapor Density (Air=1): 2.8
Specific Gravity: 0.827 (H*20=1)
Decomposition Temperature: N/K
Evaporation Rate And Ref: N/K
Solubility In Water: N/K
Percent Volatiles By Volume: 100.0
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K

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Autoignition Temperature:

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Fire and Explosion Hazard Data
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Flash Point: 3F,-16C
Flash Point Method: TCC
Lower Explosive Limit: 1.9%
Upper Explosive Limit: N/K
Extinguishing Media: NFPA CLASS B EXTINGUISHERS (CO*2 OR FOAM) FOR CLASS B LIQUID FIRES.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP (FP N) (HELMET W/FACE SHIELD, BUNKER COATS, GLOVES & RUB BOOTS). WATER SPRAY MAY BE INEFTIVE ON FIRE BUT (SUPDAT)
Unusual Fire And Expl Hazrds: EXTREMELY FLAM!! KEEP CNTNR TIGHTLY CLSD. ISOLATE FROM OXIDIZERS, HEAT, SPKS, ELEC EQUIP & OPEN FLAME. CLSD CNTNRS MAY EXPLODE IF EXPOSED TO EXTREME (SUPP DATA)

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): ISOLATE FROM OXIDIZERS, HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME.
Materials To Avoid: ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATE, CHROMATES AND PEROXIDES.
Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE:INHAL:ANESTHETIC. IRRITS RESP TRACT.
CAN CAUSE SERIOUS NERV SYS DEPRESS. CAN CAUSE DMG TO KIDNEYS, BLOOD,
NERVES, LIVER & LUNGS. RPTD EXPOS OVER TLV CAN CAUSE BLINDNESS. EYE/SKIN
CONT:PRIMARY IRRIT TO SKIN, DEFAT, DERM. PRIMARY IRRIT TO EYES, REDNESS,
TEARING, BLURRED VISION. ABSORP THRU SKIN (EFTS OF OVEREXP)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: HLTH HAZS:INCREASES EXPOS & MAY BE HARMFUL.
INGEST:CAN BE FATAL/CAUSE BLINDNESS IF SWALLOWED. CANNOT BE MADE NON-
POISONOUS. CAN CAUSE ABDOM IRRIT, NAUS, VOMIT & DIARR. CHRONIC:TOLUENE
APPEARS ON NAVY LISTING OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM
APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST (ING 8)
Med Cond Aggravated By Exp: PERSONS WITH SEVERE SKIN, LIVER OR KIDNEY
PROBLEMS SHOULD AVOID USE.
Emergency/First Aid Proc: SKIN:WASH THORO W/SOAP & WATER. REMOVE & WASH
CONTAM CLTHG BEFORE REUSE. (DISCARD CONTAM SHOES). EYES:IMMED FLUSH W/
PLENTY OF WATER FOR @ LST 15 MIN & CALL MD. INHAL:REMOVE TO FRESH AIR. IF

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BRTHG IS DFCLT, GIVE OXYG. IF BRTHG HAS STOPPED, GIVE ARTF RESP. POISON!
CALL MD! INGEST:INDUCE VOMIT PROMPTLY FOLLOWING MD'S INSTRUCTIONS/BY HAVING
PATIENT STICK FINGER DOWN THROAT. AFTER VOMIT HAS (ING 15)

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Precautions for Safe Handling and Use
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Steps If Matl Released/Spill: STOP SPILL AT SOURCE. DIKE AREA & CONTAIN.
PUMP SPILLED LIQUID & PUT CONTAMINATED SOIL IN DOT APPROVED CONTAINERS FOR
DISPOSAL. LABEL IMMEDIATELY. CLEAN UP REMAINDER WITH ABSORBENT MATERIALS.
IF SPILLED, MOP UP AND DISPOSE OF.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF WASTE BY LEGAL METHODS COMPLYING WITH
LOCAL, STATE AND FEDERAL REGULATIONS. IF QUESTIONS EXIST, CONTACT THE
APPROPRIATE AGENCIES. RECYCLE OR DISPOSE OF OBSERVING LOCAL, STATE AND
FEDERAL HEALTH, SAFETY AND POLLUTION LAWS.
Precautions-Handling/Storing: VAPS MAY IGNITE EXPLOSIVELY & SPREAD LONG
DIST. PVNT VAP BUILDUP. PUT OUT PILOT LIGHTS & TURN OFF IGNIT SOURCES
DURING USE & UNTIL ALL VAPS ARE GONE.
Other Precautions: DO NOT STORE ABOVE 49C/120F. STORE LG AMTS IN
STRUCTURES MADE FOR OSHA CLASS IB LIQS. AVOID FREE FALL OF LIQ. GROUND
CNTNRS WHEN TRANSFERRING. DO NOT FLAME CUT, SAW, DRILL, BRAZE/WELD. EMPTY
CNTNR VERY HAZ! CONTINUE ALL LBL PREC! (ING 17)

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Control Measures
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Respiratory Protection: VENTILATE TO KEEP AIR BELOW 60 PPM. IF OVER TLV,
IN ACCORDANCE WITH 29 CFR 1910.134, USE NIOSH/MSHA APPROVED POSITIVE-
PRESSURE SCBA. CONSULT SAFETY EQUIPMENT SUPPLIER. USE EXPLOSION-PROOF
EQUIPMENT.
Ventilation: LOCAL EXHAUST:NECESSARY. MECHANICAL (GENERAL):ACCEPTABLE.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).
Other Protective Equipment: ANSI APPROVED EMERGENCY EYE WASH AND DELUGE
SHOWER (FP N). WEAR APRON & FOOTWEAR IMPERVIOUS TO THIS MATERIAL.
Work Hygienic Practices: WASH CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER
HANDLING.

Suppl. Safety & Health Data: FIRE FIGHT PROC:CAN PROT FIRE FIGHTERS & COOL
CLSD CNTNRS. USE FOG NOZZS IF WATER IS USED. EXPLO HAZS:HEAT. APPLYING TO
HOT SURFS REQS SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZARDOUS!
CONTINUE ALL LABEL PRECAUTIONS!

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Transportation Data

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Transportation Action Code:
Transportation Focal Point:
Trans Data Review Date:
DOT PSN Code:
DOT Symbol:
DOT Proper Shipping Name:
DOT Class:
DOT ID Number:
DOT Pack Group:
DOT Label:

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DOT/DoD Exemption Number:
IMO PSN Code:
IMO Proper Shipping Name:
IMO Regulations Page Number:
IMO UN Number:
IMO UN Class:
IMO Subsidiary Risk Label:
IATA PSN Code:
IATA UN ID Number:
IATA Proper Shipping Name:
IATA UN Class:
IATA Subsidiary Risk Class:
IATA Label:
AFI PSN Code:
AFI Symbols:
AFI Prop. Shipping Name:
AFI Class:
AFI ID Number:
AFI Pack Group:
AFI Label:
AFI Special Prov:
AFI Basic Pac Ref:
MMAC Code:
N.O.S. Shipping Name:
Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:

2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:

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Label Data
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Label Required: YES
Technical Review Date: 31OCT95
Label Date:

Report for NIIN: 00N065689

MFR Label Number:

Label Status: G

Common Name: BERRYMAN 1-AB BLEND

Chronic Hazard: YES

Signal Word: DANGER!

Acute Health Hazard-None:

Acute Health Hazard-Slight:

Acute Health Hazard-Moderate: X

Acute Health Hazard-Severe:

Contact Hazard-None:

Contact Hazard-Slight:

Contact Hazard-Moderate: X

Contact Hazard-Severe:

Fire Hazard-None:

Fire Hazard-Slight:

Fire Hazard-Moderate:

Fire Hazard-Severe: X

Reactivity Hazard-None: X

Reactivity Hazard-Slight:

Reactivity Hazard-Moderate:

Reactivity Hazard-Severe:

Special Hazard Precautions: FLAMMABLE CLASS IB. ACUTE:INHAL:ANESTHETIC.
IRRITS RESP TRACT. CAN CAUSE SERIOUS NERV SYS DEPRESS. CAN CAUSE DMG TO
KIDNEYS, BLOOD, NERVES, LIVER & LUNGS. RPTD EXPOS OVER TLV CAN CAUSE
BLINDNESS. EYE/SKIN CONT:PRIMARY IRRIT TO SKIN, DEFAT, DERM. PRIMARY IRRIT
TO EYES, REDNESS, TEARING, BLURRED VISION. ABSORP THRU SKIN INCREASES EXPOS
& MAY BE HARMFUL. INGEST:CAN BE FATAL/CAUSE BLINDNESS. CAN IRRIT STOM &
CAUSE NAUS, VOMIT & DIARR. CHRONIC:TOLUENE APPEARS ON NAVY OCCUP CHEM REPRO
HAZS LIST (FP N). ANIMAL STUDIES HAVE DEMONSTRATED DOSE RELATED ADVERSE
EFTS TO CNS, BLOOD FORMING TISS, BLOOD, LIVER & KIDNEYS ASSOC W/ADMIN OF 2-
BUTOXYETHANOL(FPN).

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: DELTA DIST. INC

Label Street: 11344 PLANO RD

Label P.O. Box:

Label City: DALLAS

Label State: TX

Label Zip Code: 75243

Label Country: US

Label Emergency Number: 800-424-9300(CHEMTREC)

Year Procured: