

BETZ DEARBORN INC -- SPEC-AID 8Q462

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-432-7105  
MSDS Date: 09/15/1999  
MSDS Num: CKQSN  
Product ID: SPEC-AID 8Q462  
MFN: 01  
Responsible Party  
Cage: 1CWF7  
Name: BETZ DEARBORN INC  
Address: 4636 SOMERTON RD  
City: TREVOSSE PA 19053  
Info Phone Num  
ber: 215-355-3300/215-773-6223  
Emergency Phone Number: 800-877-1940(USA)  
Proprietary Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 0TC96  
Name: BETZ LABORATORIES INC BETZ INDUSTRIAL DIV  
Address: 1 QUALITY WAY  
City: TREVOSSE PA 19053  
Phone: UNKNOWN  
Cage: 1CWF7  
Name: BETZDEARBORN INC  
Address: 4636 SOMERTON ROAD  
City: TREVOSSE PA 19053  
Phone: 215-355-3300

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Item Description Information  
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Item Manager: S9G  
Item Name: ADDITIVE, THERMAL STABILIZING, JET FUEL  
Specification Number: NONE  
Type/Grade/Class: NONE  
Unit of Issue: GL  
UI Container Qty: 1  
Type of Container: UNKNOWN

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TARGET ORGANS: PROLONGED OR REPEATED EXPOSURES MAY CAUSE CNS DEPRESSION AND/OR DEFATTING-TYPE DERMATITIS. SKIN: MAY CAUSE MODERATE IRRITATION TO THE SKIN. MAY CAUSE DERMATITIS. EYE: SEVERE IRRITANT TO THE EYES. RESPIRATORY: VAPORS, GASES, MISTS OR AEROSOLS MAY CAUSE IRRITATION TO

THE UPPER RESPIRATORY TRACT. PROLONGED EXPOSURE MAY CAUSE DIZZINESS AND HEADACHE. INGESTION: MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIZZINESS, LETHARGY AND BLURRING OF VISION. CARDIAC FAILURE AND PULMONARY EDEMA MAY DEVELOP. LARGE DOSES CAUSE SEVERE KIDNEY DAMAGE. MAY BE FATAL. ASPIRATION MAY CAUSE LUNG INJURY OR DEATH.

Explanation Of Carcinogenicity: NO COMPONENT IS CONSIDERED TO BE A CARCINOGEN BY NTP, IARC, OR OSHA AT OSHA THRESHOLDS FOR CARCINOGENS.

Signs And Symptoms

Signs Of Overexposure: EXCESSIVE DERMAL EXPOSURE CAUSES DEFATTING AND DRYING OF SKIN. EXCESSIVE INHALATION OF VAPORS CAUSES DIZZINESS, HEADACHES AND NAUSEA.

Medical Conditions Aggravated By Exposure: NONE KNOWN.

First Aid: SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH A LARGE QUANTITY OF SOAP SOLUTION OR WATER FOR 15 MINUTES. EYE: REMOVE CONTACT LENSES. HOLD EYELIDS APART. IMMEDIATELY FLUSH EYES WITH PLENTY OF LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. APPLY APPROPRIATE FIRST AID TREATMENT AS NECESSARY. INGESTION: DO NOT FEED ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSIVE VICTIM. DO NOT INDUCE VOMITING. IMMEDIATELY CONTACT PHYSICIAN. DILUTE CONTENTS OF STOMACH USING 3-4 GLASSES MILK OR WATER.

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Handling and Disposal  
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Spill Release Procedures: VENTILATE AREA. USE PROTECTIVE EQUIPMENT. CONTAIN

& ABSORB ON ABSORBENT MATERIAL. PLACE IN WASTE DISPOSAL CONTAINER. REMOVE IGNITION SOURCES. FLUSH AREA WITH WATER. SPREAD SAND/GRIT.

Waste Disposal Methods: STATE AND LOCAL REQUIREMENTS FOR WASTE DISPOSAL MAY BE MORE RESTRICTIVE OR OTHERWISE DIFFERENT FROM FEDERAL REGULATIONS. CONSULT STATE AND LOCAL REGULATIONS REGARDING THE PROPER DISPOSAL OF THIS MATERIAL.

Handling And Storage Precautions: COMBUSTIBLE. DO NOT USE AROUND SPARKS OR FLAMES. BOND CONTAINERS DURING FILLING OR

DISCHARGE WHEN PERFORMED AT TEMPERATURES AT OR ABOVE THE PRODUCT FLASH POINT. KEEP CONTAINERS CLOSED WHEN

NOT IN USE. STORE IN COOL VENTILATED LOCATION. STORE AWAY FROM OXIDIZERS. Other Precautions: WATER CONTAMINATED WITH THIS PRODUCT MAY BE SENT TO A SANITARY SEWER TREATMENT FACILITY, I/A/W ANY LOCAL AGREEMENT, A PERMITTED WASTE TREATMENT FACILITY OR DISCHARGED UNDER A PERMIT. PRODUCT AS IS-INCINERATE OR LAND DISPOSE IN AN APPROVED LANDFILL.

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Fire and Explosion Hazard Information

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Flash Point Method: PMCC

Flash Point: =73.9C, 165.F

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE OR FOAM--AVOID WATER IF POSSIBLE.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (FULL FACE-PIECE TYPE).

Unusual Fire/Explosion Hazard: COMBUSTIBLE LIQUID. NA1993; EMERGENCY RESPONSE GUIDE #128.

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Control Measures

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Respiratory Protection: USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS. IF AIR-PURIFYING RESPIRATOR USE IS APPROPRIATE, USE A RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES AND DUST/MIST PREFILTERS.

Ventilation: ADEQUATE VENTILATION TO MAINTAIN AIR CONTAMINANTS BELOW EXPOSURE LIMITS.

Protective Gloves: NEOPRENE GLOVES-WASH OFF AFTER EACH USE. REPLACE AS NECESSARY.

Eye Protection: SPLASH PROOF CHEMICAL GOGGLES.

Supplemental Safety and Health: A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29CFR 1910.134 & ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

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Physical/Chemical Properties

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HCC: V4

Melt/Freeze Pt: =-51.C, -59.8F

Vapor Pres: <5

.0  
Vapor Density: >1.00  
Spec Gravity: 0.9  
PH: 6.0 (APPROX.)  
Viscosity: 18  
Solubility in Water: 0.0  
Appearance and Odor: AMBER TO BROWN LIQUID; STRONG ODOR.

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: STABLE UNDER NORMAL STORAGE CONDITIONS.  
Materials To Avoid: MAY REACT WITH STRONG OXIDIZERS.  
Hazardous Decomposition Products: THERMAL DECOMPOSITION (DESTRUCTIVE FIRES)  
YIELDS ELEMENTAL OXIDES.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information  
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Toxicological Information: ORAL LD50 RAT: >2,000 MG/KG (ESTIMATED VALUE).  
DERMAL LD50 RABBIT: >2,000 MG/KG (ESTIMATED VALUE).

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Ecological Information  
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Ecological: DAPHNIA MAGNA 48 HOUR STATIC ACUTE BIOASSAY. THE PROPERTIES OF THIS PRODUCT CAUSED PHYSICAL STRESS TO THE ORGANISMS IN THE LOWEST CONCENTRATIONS TESTED. LC50: 28.3 MG/L 0% MORTALITY: 6.3 MG/L. FATHE AD MINNOW 96 HOUR STATIC ACUTE BIOASSAY. LC50: 7.7 MG/L NO EFFECT LEVEL: 6.3 MG/L.  
BIODEGRADATION: NO DATA AVAILABLE.

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MSDS Transport Information  
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Transport Information: COMBUSTIBLE LIQUID LIQUID, NA1993, DOT EMERGENCY RESPONSE GUIDE #: 128.

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Regulatory Information  
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Sara Title III Information: SARA SECTION 312 HAZARD CLASS: IMMEDIATE (ACUTE); DELAYED (CHRONIC); FIRE. SARA SECTION 313 CHEMICALS: CAS# 91-20-3, NAPHTHALENE, 6.0-10.0%.  
Federal Regulatory Information: ALL COMPONENTS OF THIS PRODUCT ARE LISTED

IN

THE TSCA INVENTORY. CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ): 148 GALLONS DUE TO NAPHTHALENE; TREAT AS OIL SPILL.

State Regulatory Information: CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65) CHEMICALS PRESENT: NO REGULATED CONSTITUENT PRESENT AT OSHA THRESHOLDS. MICHIGAN REGULATORY INFORMATION: CAS# 91-20-3, NAPHTH ALENE.

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Other Information  
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Transportation Information  
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Responsible Party Cage: 1CWF7

Trans ID NO: 154025

Product ID: SPEC-AID 8Q462

MSDS Prepared Date: 09/15/1999

Review Date: 11/09/2000

MFN: 1

Net Unit Weight: UNKNOWN

Multiple KIT Number: 0

Unit Of Issue: GL

Container QTY: 1

Type Of Container: UNKNOWN

Additional Data: PROPER SHIPPING NAME FOR DOT (DOMESTIC OVERLAND) IS PER MSDS (UNIT QUANTITY IS BULK/GL WHIC H IS > 11 9 GALLONS).

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Detail DOT Information  
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DOT PSN Code: DPM

Symbols: D,G

DOT Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S

Hazard Class: COMB LIQ

UN ID Num: NA1993

DOT Packaging Group: III

Label: NONE

Special Provision: T1

Packaging Exception: 150

Non Bulk Pack: 203

Bulk Pack: 241

Max Qty Pass: 60 L

Max Qty Cargo: 220 L

Vessel Stow Req: A  
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Detail IMO Information

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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

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Detail IATA Information

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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Detail AFI Information

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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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HAZCOM Label

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Product ID: SPEC-AID 8Q462  
Cage: 1CWF7  
Company Name: BETZDEARBORN INC  
Street: 4636 SOMERTON ROAD  
City: TREVOSSE PA  
Zipcode: 19053  
Health Emergency Phone: 800-877-1940(USA)  
Label Required IND: Y  
Date Of Label Review: 07/14/2000  
Status  
Code: A  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Slight  
Fire Hazard: Slight  
Reactivity Hazard: None  
Hazard And Precautions: TARGET ORGANS: PROLONGED OR REPEATED EXPOSURES MAY CAUSE CNS DEPRESSION AND/OR DEFATTING-TYPE DERMATITIS. SKIN: MAY CAUSE MODERATE IRRITATION TO THE SKIN. MAY CAUSE DERMATITIS. EYE: SEVERE IRRITANT TO THE EYES. RESPIRATORY: VAPORS, GASES, MISTS OR

**AEROSOLS MAY CAUSE**

**IRRITATION TO THE UPPER RESPIRATORY TRACT. PROLONGED EXPOSURE MAY CAUSE DIZZINESS AND HEADACHE. INGESTION: MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIZZINESS, LETHARGY AND BLURRING OF VISION. CARDIAC FAILURE AND PULMONARY EDEMA MAY DEVELOP. LARGE DOSES CAUSE SEVERE KIDNEY DAMAGE. MAY BE FATAL. ASPIRATION MAY CAUSE LUNG INJURY OR DEATH.**

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