

BETZ DEARBORN HYDROCARBON PROCESS GROUP, INC -- SPEC-AID 8Q462 -- 6850-01-432-7105
===== Product Identification =====

Product ID:SPEC-AID 8Q462

MSDS Date:05/08/1997

FSC:6850

NIIN:01-432-7105

MSDS Number: CDWBV

=== Responsible Party ===

Company Name:BETZ DEARBORN HYDROCARBON PROCESS GROUP, INC

Address:9669 GROGAN'S MILL ROAD

City:SPRING

State:TX

ZIP:77387-4300

Country:US

Info Phone Num:713-367-244

2

Emergency Phone Num:800-877-1940

Preparer's Name:BRUCE WRIGHT

CAGE:07XL7

=== Contractor Identification ===

Company Name:BETZ DEARBORN HYDROCARBON PROCESS GROUP, INC

Address:9669 GROGAN'S MILL ROAD

Box:City:SPRING

State:TX

ZIP:77387-4300

Country:US

Phone:713-367-2442

CAGE:07XL7

Company Name:BETZ LABORATORIES INC/BETZ DEARBORN

Box:UNKNOW

CAGE:0RDP2

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

Ingred Name:AROMATIC SOLVENT PREMIUM

CAS:64742-94-5

RTECS #:WF3100000

Other RE

C Limits:NONE RECOMMENDED

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA 313)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: 10-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9596

Ingred Name:TRADE SECRET INGREDIENT (561); TSRN 125438-5273P.

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRADE SECRET INGREDIENT (428); TSRN 125438-5266P.

Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHALENE (SARA 313) (CERCLA)

CAS:91-20-3

RTECS #:QJ0525000

Fraction by Wt: 2-5%

Other REC L

imits:NONE RECOMMENDED

OSHA PEL:10 PPM

ACGIH TLV:10 PPM/15 STEL; 9596

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE SKIN OR EYE

IRRITATION; MAY CAUSE DERMATITIS. INHALATION OF VAPOR/MIST MAY
CAUSE IRRITATION OF UPPER R

ESPIRATORY TRACT, DIZZINESS/HEADACHE.

INGESTION MAY CAUSE GI TRACT IRRITATION. AS PIRATION MAY CAUSE LUNG
INJURY, DEATH. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE
DEFATTING-TYPE DERMATITIS.

Explanation of Carcinogenicity:PER MSDS:NO COMPONENT CONSIDERED
CARCINOEN BY NTP/IARC/OSHA.

Effects of Overexposure:INHALED-UPPER RESPIRATORY IRRITATION,
DIZZINESS, HEADACHE. SKIN-IRRITATION, DERMATITIS. EYES-SEVERE
IRRITATION. INGESTED-NAUSEA, VOMITING, ABDOMINAL DISCOMFORT,

DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES- FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP & WATER. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTED-DO NOT FEED ANYTHING BY MOUTH IF UNCONSCIOUS! DO NOT INDUCE VOMITING! IMMEDIATELY CONTACT PHYSICIAN. IF CONSCIOUS; GIVE 3-4 GLASSES MILK OR WATER.

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

Flash Point Method:PMCC
Flash Point:165F,74C
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM, OR HALON. AVOID WATER IF POSSIBLE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (FULL FACE-PICE TYP).
Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID. NA1993, EMERGENCY RESPONSE GUIDE 27.

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

Spill Release Procedures:VENTILATE AREA. USE SPECIFIED PROTECTIVE EQUIPMENT. CONTAIN & ABSORB ON ABSORBENT MATERIAL. PLACE IN WASTE DISPOSAL CONTAINER. ELIMINATE ALL SOURCES OF IGNITION. FLUSH AREA WITH WATER. SPREAD SAND/GRI T.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT USE AROUND SPARKS/FLAMES. BOND CONTAINERS DURING FILLING OR DISCHARGE WHEN PERFORMED AT TEMPERATURES AT OR ABOVE PRODUCT FLASH POINT.
Other Precautions:KEEP CONTNRS CLOSED WHEN NOT IN USE.STORE IN COOL VENTILATED LOCATION.STORE AWAY FROM OXIDIZERS.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA,

AS

REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE GLOVES.

Eye Protection:SPLASH PROOF CHEMICAL GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

PH 5% EXTRACT:6.0. MSDS PRESENTED BY CAGE 0R

PD2 FOR CONTRACT NUMBER

SP0450-97-MN353.

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

HCC:V4

Melt/Freeze Pt:M.P/F.P Text:-30F,-34C

Vapor Pres:1.00

Spec Gravity:0.9036

Viscosity:18 CPS @70F

Evaporation Rate & Reference: