

DEFT INC -- COMP A, PN 44GN007 -- 8010-01-218-0857

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

Product ID:COMP A, PN 44GN007

MSDS Date:06/30/1992

FSC:8010

NIIN:01-218-0857

Kit Part:Y

MSDS Number: BRHCF

=== Responsible Party ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVENUE

City:IRVINE

State:CA

ZIP:92714

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:714-474-0400 800-424-9300(CHEMTREC)

Preparer's Name:NORM GAUL

CAGE:33458

=== Contractor Identification ===

Company Name:DEFT INC

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

Country:US

Phone:800 424-9300

CAGE:33458

Company Name:DEFT, INC.

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92614

Country:US

Phone:949-474-0400

CAGE:33461

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

Ingred Name:2-BUTOXYETHANOL (SARA 313) (VAPOR PRESSURE 9 MM HG @ 77F)

CAS:111-76-2

RTECS #:KJ8575000

Fra

ction by Wt: 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293

Ingred Name:C8&10 AROMATIC HYDROCARBON (VAPOR PRESSURE 3 MM HG @ 68 F)
CAS:64742-95-6
Fraction by Wt: 15%
Other REC Limits:NONE SPECIFIED

Ingred Name:DISPERSION AGENT
Fraction by Wt: < 1%
Other REC Limits:NONE SPECIFIED

Ingred Name:BARIUM CHROMATE (SARA 313)
CAS:10294-40-3
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:.1 MP/F3
ACGIH TLV:.05 MP/F3

Ingred Name:VOC: 391 G/L
RTECS #:99999
99VO
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: VAPORS IRRITATING TO EYES,
NOSE, THROAT. INHALATION CAUSE HEADACHES, DIFFICULT BREATHING &
LOSS OF CONSCIOUSNESS. CHRONIC: SKIN SENSITIZATION, ASTHMA, OTHER
ALLERGIC RESPONSES. POSSIBLE KIDNEY & LIVER DAMAGE. DELAYED
EFFE
CTS INVOLVING THE BLOOD, GASTROINTESTINAL, NERVOUS &
REPRODCTIVE SYSTEMS.ECZEMA, DERMATITIS.
Explanation of Carcinogenicity:PROP 65-CARCENOGENIC. BARIUM
CHROMATE,2-BUTOXYETHANOL,THESE PRODUCT CONTAINS CHEMICAL(S) KNOWN
TO CALIF. TO CAUSE CANCER
Effects of Overexposure:INHALATION: HEADACHE, DIZZINESS, STAGGERING
GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN/EYE: IRRITATION.
SWELLING, REDNESS, & RASH. EYES: LIQUID, AREOSOLS, VAPORS ARE
IRRITATING. MAY CAUSE TEARING, REDNE

SS, SWELLING, & STINGING

SENSATION. INGESTION: IRRITATION & CORROSIVE ACTION TO MOUTH, STOMACH, DIGESTIVE TRACT.

Medical Cond Aggravated by Exposure:INGESTION: VOMITING MAY CAUSE ASPIRATION OF THE SOLVENT, RESULTING IN CHEMICAL PNEUMONITIS. SKIN ABSORPTION: PROLONGED CONTACT WILL CAUSE DRYING & CRACKING OF THE SKIN, DUE TO DEFATTING ACTION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. ASTHMATIC

TYPE SYMPTOMS MAY DEVELOP & MAY BE IMMEDIATE/DELAYED. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREAS W/SOAP & WATER. EYES: FLUSH W/CLEAN LUKEWARM WATER (LOW PRESSURE) FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DON'T GIVE ANYTHING TO UNCONSCIOUS PERSON. GET MED ATTN.

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

Flash Point Method:TCC

Flash Point:116F,47C

Lower Limits:1.

00 %

Upper Limits:10.60 %

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT W/SELF-CONTAINED BREATHING APPARATUS. WATER USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILDUP, AUTO IGNITION OR EXPLOSION.

Unusual Fire/Explosion Hazard:ISOLATE FROM HEAT, SPARKS, & OPEN FLAME. CLOSED CONTAINERS EXPLODE EXPOSED TO EXTREME HEAT. OVEREXP TO DECOMP PROD CAUSE HEALTH HAZARD.SYMPT.NOT IMMED APPARENT.

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

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES). VENTILATE AREA CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

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

Handling and Storage Precautions:STORE IN BUILDINGS DESIGNED TO COMPLY W/OSHA 1910.106 AVOID STORING NEAR HIGH TEMP.,FIRE,OPEN FLAME,SPARK S

SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS.

Other Precautions:KEEP UPRIGHT/TIGHT TO PREVENT LEAKAGE. DON'T BREATHE VAPORS, SPRAY MISTS. AVOID CONTACT WITH SKIN, EYES. DON'T INGEST. DO NOT HANDLE UNTIL THE MANUFACTURERS SAFETY PRECAUTIONS HAVE BEEN READ & UNDERSTOOD. SMOKE IN DESIGNATED AREAS ONLY.

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

Respiratory Protection:RESPIRATOR THAT IS RECOMMENDED/APPROVED FOR USE IN AN ORGANIC VAPOR ENVIRONMENT (AIR PURIFYING OR FRESH AIR SUPPLIED) IS NECESSARY. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP THE AIRBORNE CONCENTRATIONS OF SOLVENT VAPORS OR MISTS BELOW THEIR RESPECTIVE TLV'S

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE.

Eye Protection:CHEMICAL GOGGLES, FULL-FACE SHIELD.

Other Protective Equipment:THE USE OF LONG SLEEVE & LONG LEG CLOTHING IS RECOMMENDED. REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, OR USING WASHROOM.

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:308 TO 343F

Vapor Density:> AIR

Spec Gravity:1.51741

Evaporation Rate & Reference:0.44 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:GREEN LIQUID WITH SOLVENT ODOR

Percent Volatiles by Volume:44.6

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

Stability Indicator

or/Materials to Avoid:YES

OXIDIZING MATERIALS AND STRONG ACIDS. EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Stability Condition to Avoid:HIGH TEMPERATURES. EPOXY RESINS UNDER UNCONTROLLED CONDITIONS.

Hazardous Decomposition Products:BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN. CHROMIUM OXIDES WHEN BURNED.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH

LOCAL, STATE & FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE AND FLAMMABLE VAPOR DO NOT INC INERATE CLOSED CONTAINERS.

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