

DEFT INC CHEMICAL COATING DIV -- MIL-P-85582, LOW DENSITY W/R PR, 44GN036CAT --  
8010-01-294-7782

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

Product ID:MIL-P-85582, LOW DENSITY W/R PR, 44GN036CAT

MSDS Date:12/31/1992

FSC:8010

NIIN:01-294-7782

Kit Part:Y

MSDS Number: BTTBS

=== Responsible Party ===

Company Name:DEFT INC CHEMICAL COATING DIV

Address:17451 VON KARMAN AVE

City:IRVINE

State:CA

ZIP:92714-6205

C

Country:US

Info Phone Num:714-474-0400

Emergency Phone Num:800-424-9300 CHEMTREC

Preparer's Name:MIKE SMITH

CAGE:33461

=== Contractor Identification ===

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:NITROETHANE

CAS:79-24-3

RTECS #:KI5600000

Fraction by Wt: 30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM; 9394

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES,  
NOSE & THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING  
& LOSS OF CONSCIOUSNESS. CHRONIC: PROLONGED CONTACT WILL CAUSE  
DRYING & CRACKING OF THE SKIN, DUE TO DEFATTING ACTION. SKIN  
SENSITIZATION, ASTHMA OR ALLERGIC REACTION  
MAY DEVELOP.

Explanation of Carcinogenicity:DOES NOT CONTAIN A CARCINOGEN.

Effects of Overexposure:INHALATION-HEADACHE, DIZZINESS, STAGGERING  
GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. SKIN & EYE-MAY BE  
SWELLING, REDNESS, RASH. TEARING, REDNESS & SWELLING ACCOMPANIED BY  
STINGING SENSATION. INGESTION-VOMITING MAY CAUSE ASPIRATION OF THE  
SOLVENT RESULTING IN CHEMICAL PNEUMONITIS.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY  
DISORDER. SKIN ALLERGIES, ECZ  
EMA, AND DERMATITIS.

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First Aid Measures  
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First Aid:INHALE:MOVE TO AN AREA FREE FROM RISK OF FURTHER EXPOSURE.  
RESTORE BREATHING. OBTAIN MEDICAL ATTN. SKIN:REMOVE CONTAMINATED  
CLOTHING. WASH AFFECTED AREAS THOROUGHLY WITH SOAP & WATER.  
EYES:FLUSH WITH CLEAN, LUKEWARM WATER FOR 15 MIN, OCCASIONALLY  
LIFTING EYELIDS. OBTAIN MEDICAL ATTENTION. INGEST:DO NOT INDUCE  
VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

OBTAIN MEDICAL ATTENTION

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:87.0F,30.6C

Lower Limits:3.40

Upper Limits:0.00

Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL,  
WATER FOG.

Fire Fighting Procedures:FULL FIRE FIGHTING EQUIPMENT WITH  
SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING  
SHOULD BE WORN BY FIRE FIGHTERS.

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE

FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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

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

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

Handling and St

orage Precautions:STORE IN BUILDING DESIGNED TO COMPLY WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES & SPARK SOURCES.

Other Precautions:STORE IN WELL VENTILATED AREAS. STORE IN TIGHTLY CLOSED CONTAINERS. KEEP CONTAINERS TIGHT & UPRIGHT TO PREVENT LEAKAGE. PREVENT PROLONGED OR REPEATED BREATHING OF VAPORS OR SPRAY MIST.

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

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

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

Protective Gloves:COTTON, NEOPRENE, RUBBER, POLYETHYLENE.

Eye Protection:SAFETY EYEWARE W/SPLASH GUARDS.

Other Protective Equipment:USE LONG SLEEVE AND LONG LEG CLOTHING. REMOVE AND WASH CONTAMINATED CLOTHIN G BEFORE REUSE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

OTHER PRECAUTIONS: PROLONGED OVEREXPOSURE CAN CAUSE AN ALLERGIC REACTION. AVOID CONTACT WITH SKIN & EYES. DO NOT TAKE INTERNALLY. DO NOT HANDLE UNTIL MANUFACTURES SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM. SMOKE IN SMOKING AREAS ONLY.

===== Physical/C

hemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:237-300F

Vapor Density:>AIR

Spec Gravity:1.12845

Viscosity:THIN LIQUID

Evaporation Rate & Reference:1.27 X N-BUTYL ACETATE

Solubility in Water:INSOLUBLE

Appearance and Odor:AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume:32.3

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS.

Stability Conditio

n to Avoid:HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

AVOID UNCONTROLLED REACTIONS WITH AMINES.

Hazardous Decomposition Products:BY HIGH HEAT AND FIRE: CARBON DIOXIDE,  
CARBON MONOXIDE, OXIDES OF NITROGEN. ALDEHYDES AND ACIDS MAY BE  
FORMED DURING CO.

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

Waste Disposal Methods:WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH  
FEDERAL, STATE AND LCOAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY  
CONTAINERS MUST BE HANDLED  
WITHCARE DUE TO PRODUCT RESIDUE AND  
FLAMMABLE VAPOR. DO NOT IN CINERATE CLOSED CONTAINERS.

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