

MIL-P-23377E, TYPE II, CLASS 1

MSDS Number

BXCBQ

National Stock Number

8010-01-048-6539

Product Name

MIL-P-23377E, TYPE II, CLASS 1

Manufacturer

DEFT INC CHEMICAL COATING DIV

Product Identification

Product ID:MIL-P-23377E, TYPE II, CLASS 1

MSDS Date:01/28/1991

FSC:8010

NIIN:01-048-6539

Kit Part:Y

MSDS Number: BXCBQ

Responsible Party

DEFT INC CHEMICAL COATING DIV

17451 VON KARMAN AVE

IRVINE , CA 92714-6205

US

Emergency Phone: 800-424-9300 CHEMTREC

Info Phone: 714-474-0400

Cage: 33461

Contractor

DEFT, INC.

IRVINE, CA 92614

US

949-474-0400

Cage: 33461

Ingredients

TOLUENE (SARA 313) (CERCLA)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 5%

OSHA PEL200 PPM; Z-2

ACGIH TLV: S, 50 PPM; 9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)

CAS: 78-93-3

RTECS: EL6475000

Fraction By Weight: 20%

OSHA PEL200 PPM

ACGIH TLV: 200 PPM/300STEL;9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

LACQUER DILUENT #6

CAS: 64742-89-8

Fraction By Weight: 10%

NAPHTHA, LIGHT AROMATIC (SOLVENT NAPHTHA)

CAS: 64742-95-6

RTECS: WF3400000

Fraction By Weight:

DISPERSION AGENT

Fraction By Weight:

SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC

CAS: 64742-88-7

Fraction By Weight:

OSHA PEL5 MG/M3 (OIL MIST)

ACGIH TLV: 5 MG/M3 (OIL MIST)

STRONTIUM CHROMATE (SARA 313) (CERCLA)

CAS: 7789-06-2

RTECS: GB3240000

Fraction By Weight: 15%

OSHA PELC 0.1 MG (CR03)/M3

ACGIH TLV: 0.0005MG(CR)/M3;A295

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

N-BUTYL ACETATE (CERCLA)

CAS: 123-86-4

RTECS: AF7350000

Fraction By Weight:

OSHA PEL150 PPM

ACGIH TLV: 150 PPM/200STEL;9495

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

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

Reports of Carcinogenicity:NTP:YES IARC:YES

Health Hazards Acute and Chronic:ACUTE: VAPORS ARE IRRITATING TO EYES,

NOSE & THROAT. INHALATION MAY CAUSE HEADACHES, DIFFICULT BREATHING & LOSS OF CONSCIOUSNESS. CHRONIC: DEFATTING ACTION. SKIN SENSITIZATION, ASTHMA OR OTHER ALLERGIC RESPONSES MAY DEVELOP. TARGETS: BLOOD, GASTROINTESTINAL, NERVOUS AND REPRODUCTIVE SYSTEMS. Explanation of Carcinogenicity: THIS PRODUCT IS SUSPECTED OF CONTAINING AN OSHA REGULATED CARCINOGEN NOT SPECIFICALLY IDENTIFIED BY THE MANUFACTURER.

Effects of Overexposure: INHALATION- IRRITATION OF THE RESPIRATORY TRACT & ACUTE NERVOUS SYSTEM DEPRESSION (HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA). SKIN & EYES- IRRITATION (SWELLING, REDNESS AND RASH). SKIN ABSORPTION- DRYING AND DEFATTING OF THE SKIN. INGESTION- IRRITATION AND POSSIBLE CORROSIVE ACTION.

Medical Condition Aggravated by Exposure: ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA AND DERMATITIS.

First Aid

First Aid: GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE. EYES- IMMEDIATELY FLUSH THOROUGHLY FOR 15 MINUTES. SKIN- IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. INHALATION- REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. INGESTION- DO NOT INDUCE VOMITING; IF CONSCIOUS GIVE WATER FREELY AND GET MEDICAL ATTENTION.

Fire Fighting

Flash Point Method: TCC

Flash Point: 20.0F, -6.7C

Lower Limits: 0.9

Upper Limits: 11.00

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

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER MAY BE USED TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Accidental Release

Spill Release Procedures: EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

Handling

Handling and Storage Precautions: STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. AVOID STORING NEAR HIGH TEMPERATURES, FIRE, OPEN FLAMES, & SPARK SOURCES. VENTILATE AREA.

Other Precautions: NONE

Exposure Controls

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

Ventilation: MAINTAIN SUFFICIENT MECHANICAL VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV.

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE.

Eye Protection: SPLASH GUARDS OR SIDES SHIELDS.

Other Protective Equipment: LONG SLEEVES AND LONG LEG CLOTHING.

Work Hygienic Practices: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE

Chemical Properties

HCC: F2

Boiling Pt: B.P. Text: 175-396F

Vapor Density: > AIR

Spec Gravity:1.2545
Evaporation Rate & Reference:3.19 (N-BUTYL ACETATE=1)
Solubility in Water:INSOLUBLE
Appearance and Odor:GREEN LIQUID WITH SOLVENT ODOR. VOC=492 G/L
Percent Volatiles by Volume:39.3

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND STRONG LEWIS OR MINERAL ACIDS.
Stability Condition to Avoid:HEAT, SPARKS AND OPEN FLAMES. AVOID
UNCONTROLLED REACTIONS WITH AMINES.
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE AND
OXIDES OF NITROGEN. ALDEHYDES, ACIDS AND CHROMIUM OXIDES.

Disposal

Waste Disposal Methods:DISPOSE OF ALL SPILLED MATERIAL AND WATER RINSES
IN ACCORDANCE WITH CURRENT STATE, LOCAL AND FEDERAL REGULATIONS.
EMPTY CONTAINERS MUST BE HANDLED WITH CARE. DO NOT INCINERATE
CLOSED CONTAINERS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.