

DEFT -- MIL-C-85285B, 35237, 04BL008

MATERIAL SAFETY DATA SHEET

NSN: 8010012936187

Manufacturer's CAGE: 33461

Part No. Indicator: A

Part Number/Trade Name: MIL-C-85285B, 35237, 04BL008

=====

General Information

=====

Item Name: POLYURETHANE COATING, BLUE, GRAY/BLUE, 35237, 1 OF 2

Company's Name: DEFT INC

Company's Street: 17451 VON KARMAN AVE

Company's City: IRVINE

Company's State: CA

Company's Country: US

Company's Zip Code: 92714

Company's Emerg Ph #: 800-424-9300

Company's Info Ph #: 714-474-0400

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 003

Status: KE

Date MSDS Prepared: 30APR93

Safety Data Review Date: 11JUL96

Supply Item Manager: CX

MSDS Preparer's Name: NORM GAUL

Preparer's Company: DEFT, INC.

Preparer's St Or P. O. Box: 17451 VON KARMAN AVE

Preparer's City: IRVINE

Preparer's State: CA

Preparer's Zip Code: 92714

MSDS Serial Number: BZSXZ

Specification Number: MIL-C-85285B

Spec Type, Grade, Class: TYPE 2, KIT 1

Hazard Characteristic Code: F5

Unit Of Issue: KT

Unit Of Issue Container Qty: 2 QT KT

Type Of Container: NK

Net Unit Weight: NK

Net Explosive Weight: NK

Coast Guard Ammunition Code: NK

=====

Ingredients/Identity Information

=====

Proprietary: NO

Ingredient: TOLUENE (SARA 313) (CERCLA) (VP = 22 @ 68F)

Ingredient Sequence Number: 01

Percent: <1.0

NIOSH (RTECS) Number: XS5250000

CAS Number: 108-88-3

OSHA PEL: 200 PPM/STEL 150

ACGIH TLV: 100 PPM/STEL 150

Other Recommended Limit: NONE RECOMMENDED

-----

Proprietary: NO

Ingredient: METHYL PROPYL KETONE (2-PENTANONE) (VP = 27.8 @ 68F)

Ingredient Sequence Number: 02

Percent: 20.0

NIOSH (RTECS) Number: SA7875000  
CAS Number: 107-87-9  
OSHA PEL: 200 PPM/STEL 250  
ACGIH TLV: 200 PPM/STEL 250  
Other Recommended Limit: NONE RECOMMENDED

-----  
Proprietary: NO  
Ingredient: TRADESECRET  
Ingredient Sequence Number: 03  
Percent: <0.1  
NIOSH (RTECS) Number: 1003232TS  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

-----  
Proprietary: NO  
Ingredient: XYLENE (SARA 313) (CERCLA) (VP = 21 @ 100F)  
Ingredient Sequence Number: 04  
Percent: <0.1  
NIOSH (RTECS) Number: ZE2100000  
CAS Number: 1330-20-7  
OSHA PEL: 100 PPM/STEL 150  
ACGIH TLV: 100 PPM/STEL 150  
Other Recommended Limit: NONE RECOMMENDED

-----  
Proprietary: NO  
Ingredient: ETHYL BENZENE (SARA 313) (VP = 7.1 @ 68F)  
Ingredient Sequence Number: 05  
Percent: <0.1  
NIOSH (RTECS) Number: DA0700000  
CAS Number: 100-41-4  
OSHA PEL: 100 PPM/STEL 125  
ACGIH TLV: 100 PPM/STEL 125  
Other Recommended Limit: NONE RECOMMENDED

-----  
Proprietary: NO  
Ingredient: ETHYL-3-ETHOXYPROPIONATE (VP = 0.7 @ 68F)  
Ingredient Sequence Number: 06  
Percent: <0.1  
NIOSH (RTECS) Number: UF3325000  
CAS Number: 763-69-9  
OSHA PEL: NOT ESTABLISHED  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: PEL 50PPM/100 STEL

-----  
Proprietary: NO  
Ingredient: DIBUTYL TIN DILAURATE (VP = 0.2 @ 320F)  
Ingredient Sequence Number: 07  
Percent: <0.1  
NIOSH (RTECS) Number: WH7000000  
CAS Number: 77-58-7  
OSHA PEL: .1MG/M3; STEL. 1MG/M3  
ACGIH TLV: NOT ESTABLISHED  
Other Recommended Limit: NONE RECOMMENDED

-----  
Proprietary: NO  
Ingredient: VOC = 285 G/L

**Ingredient Sequence Number: 08**  
**Percent: NK**  
**NIOSH (RTECS) Number: 9999999V0**  
**OSHA PEL: NOT EST.**  
**ACGIH TLV: NOT ESTABLISHED**  
**Other Recommended Limit: NONE RECOMMENDED**

=====

**Physical /Chemical Characteristics**

=====

**Appearance And Odor: BLUE LIQUID WITH SOLVENT ODOR.**  
**Boiling Point: 213 TO 401F**  
**Vapor Density (Air=1): > AIR**  
**Specific Gravity: 1.52101**  
**Evaporation Rate And Ref: 1.83 (BUAC=1)**  
**Solubility In Water: INSOLUBLE**  
**Percent Volatiles By Volume: 36.2**  
**Viscosity: \***  
**Radioactivity: NK**  
**Autoignition Temperature: NK**

=====

=====

**Fire and Explosion Hazard Data**

=====

**Flash Point: 45.0F, 7.2C**  
**Flash Point Method: TCC**  
**Lower Explosive Limit: 1.0**  
**Upper Explosive Limit: 8.0**  
**Extinguishing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.**  
**Special Fire Fighting Proc: FULL FIRE FIGHTING EQUIP W/SCBA & FULL PROTECTIVE CLOTHING SHOULD BE WORN. WATER USED TO COOL CLOSED CONTAINERS/ PREVENT PRESSURE BUILD-UP/AUTO IGNIT/EXPLOSION.**  
**Unusual Fire And Expl Hazrds: KEEP FROM IGNITE SOURCES. CLOSED CNTNR MAY EXPLODE W/HEAT. USE SPECIAL PRECAUTION W/APPLIC TO HOT SRFCs. DURING EMERG COND, OVEREXPOS TO DECOMP PROD/HEALTH HZD.**

=====

=====

**Reactivity Data**

=====

**Stability: YES**  
**Cond To Avoid (Stability): HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.**  
**Materials To Avoid: STRONG OXIDIZING AGENTS.**  
**Hazardous Decomp Products: BY HIGH HEAT/TEMPERATURE: CARBON MONOXIDE, CARBON DIOXIDE, AND OXIDES OF NITROGEN.**  
**Hazardous Poly Occur: NO**

=====

=====

**Health Hazard Data**

=====

**Route Of Entry - Inhalation: YES**  
**Route Of Entry - Skin: YES**  
**Route Of Entry - Ingestion: NO**  
**Health Haz Acute And Chronic: INHAL: IRRIT RESP TRACT/NOSE/THROAT, ACUTE NS DEPRESSION. SKIN/EYES: IRRITATION. ABSORPTION: POS MODERATE IRRIT/ DRYING/DEFATTING/CRACKING W/PROLONGED/REPEATED EXPOSE. INGEST: IRRIT/ CORROSIVE ACTION IN MOUTH/STOMACH TISSUE/DIGESTIVE TRACT, ASPIRATION OF LIQ RESULTING IN CHEM PNEUMONITIS.**  
**Carcinogenicity - NTP: NO**  
**Carcinogenicity - IARC: NO**  
**Carcinogenicity - OSHA: NO**  
**Signs/Symptoms Of Overexp: INHAL: HEADACHE, DIZZINESS, STAGGERING GATE,**

TEARING, REDNESS, SWELLING W/STINGING SENSATION.

Med Cond Aggravated By Exp: ASTHMA AND ANY OTHER RESPIRATORY DISORDERS.

SKIN ALLERGIES, ECZEMA, AND DERMATITIS.

Emergency/First Aid Proc: INHAL: GET FRESH AIR. RESTORE BREATHING.

ASTHMATIC TYPICAL SYMPTOMS MAY DEVELOP, MAY BE IMMEDIATE OR DELAYED BY SEVERAL HRS. GET MED AID. SKIN: REMOVE CONTAM CLOTHES. WASH THOROUGHLY W/SOAP & WATER. EYES: FLUSH W/CLEAN LUKE WARM WATER (LOW PRESSURE) AT LEAST 15 MIN, LIFTING LIDS. GET MED AID. INGEST: DON'T INDUCE VOMITING. DON'T GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON. GET MED AID.

---

#### Precautions for Safe Handling and Use

---

Steps If Matl Released/Spill: 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.

Waste Disposal Method: WASTE MUST BE DISPOSED IN ACCORD W/FEDERAL, STATE & LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS MUST BE HANDLED W/CARE (PRODUCT RESIDUE/FLAMMABLE VAPOR). DON'T INCINERATE CLOSED CNTNRS. EPA HAZARDOUS WASTE #: D001, F003, F005.

Precautions-Handling/Storing: STORE IN BLDG IN COMPLIANCE W/OSHA 1910.106. AVOID HIGH TEMP, IGNITION SOURCES. STORE IN TIGHTLY CLOSED CONTAINERS. STORE IN WELL VENT AREAS.

Other Precautions: KEEP CNTNRS CLOSED TIGHT/UPRIGHT (PREVENT LEAKAGE). NO PROLONGED BREATHING--VAPORS/SPRAY MISTS. NO CONTACT W/SKIN/EYES. DON'T TAKE INTERNALLY. DON'T HANDLE UNTIL THE SAFETY PRECAUTIONS HAVE BEEN READ/UNDERSTOOD. SMOKE ONLY IN SMOKING AREAS

---

#### Control Measures

---

Respiratory Protection: USE ORGANIC VAPOR RESPIRATOR (AIR PURIFYING/FRESH AIR SUPP). OBSERVE OSHA REGULATIONS (RESPIRATOR USE). PROVIDE VENT TO KEEP EXPOS LEVELS BELOW OSHA LIMITS. IF BELOW TLV, OTHER NIOSH/MSHA APPROVED RSPRTR MAY BE USED.

Ventilation: EXHAUST VENT SUFFICIENT TO KEEP AIRBORNE CONC (MIST/VAPOR) BELOW TLV'S MUST BE USED. REMOVE ALL IGNITION SOURCE.

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE

Eye Protection: SPLASH GUARD/SIDE SHIELDS/CHEM GOGGLES

Other Protective Equipment: FACE SHIELDS. THE USE OF LONG SLEEVE AND LONG LEG CLOTHING IS RECOMMENDED.

Work Hygienic Practices: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING, SMOKING OR USING THE WASHROOM

Suppl. Safety & Health Data: RESP PROTECTION: IF TLV LIMITS CAN BE MAINTAINED & DOCUMENTED BELOW OSHA/ACGIH LIMITS, AIR-SUPPLIED RESPIRATOR MAY NOT BE REQUIRED; HOWEVER, OTHER OSHA/NIOSH APPROVED RESPIRATORS MAY BE USED.

---

#### Transportation Data

---

Trans Data Review Date: 96193

DOT PSN Code: LFD

DOT Proper Shipping Name: PAINT

DOT Class: 3

DOT ID Number: UN1263

DOT Pack Group: II

DOT Label: FLAMMABLE LIQUID

DOT/DoD Exemption Number: NK

IMO PSN Code: LCP

IMD Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL  
IMD Regulations Page Number: 3268  
IMD UN Number: 1263  
IMD UN Class: 3.2  
IMD Subsidiary Risk Label: -  
IATA PSN Code: SXI  
IATA UN ID Number: 1263  
IATA Proper Shipping Name: PAINT  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: SXI  
AFI Prop. Shipping Name: PAINT OR PAINT RELATED MATERIAL  
AFI Class: 3  
AFI ID Number: UN1263  
AFI Pack Group: II  
AFI Basic Pac Ref: 7-8  
MMAC Code: NK  
N. O. S. Shipping Name: NK  
Additional Trans Data: \*THIN LIQUID TO HEAVY VISCOUS MATERIAL.

=====

Disposal Data

=====

=====

Label Data

=====

Label Required: YES  
Label Status: G  
Common Name: MIL-C-85285B, 35237, 04BL008  
Special Hazard Precautions: INHAL: IRRIT RESP TRACT/NOSE/THROAT, ACUTE NS  
DEPRESSION. SKIN/EYES: IRRITATION. ABSORPTION: POS MODERATE IRRIT/DRYING/  
DEFATTING/CRACKING W/PROLONGED/REPEATED EXPOSE. INGEST: IRRIT/CORROSIVE  
ACTION IN MOUTH/STOMACH TISSUE/DIGESTIVE TRACT, ASPIRATION OF LIQ RESULTING  
IN CHEM PNEUMONITIS. INHAL: HEADACHE, DIZZINESS, STAGGERING GATE,  
TEARING, REDNESS, SWELLING W/STINGING SENSATION.  
Label Name: DEFT INC  
Label Street: 17451 VON KARMAN AVE  
Label City: IRVINE  
Label State: CA  
Label Zip Code: 92714  
Label Country: US  
Label Emergency Number: 800-424-9300