

DEFT CHEMICAL COATING DIV -- 04GY002CAT MIL-C-85285B 36375 TYPE II

MSDS Safety Information

FSC: 8010

NIIN: 01-293-3019

MSDS Date: 04/30/1993

MSDS Num: BWZRP

Product ID: 04GY002CAT MIL-C-85285B 36375 TYPE II

MFN: 02

Kit Part: Y

Responsible Party

Cage: 33461

Name: DEFT INC CHEMICAL COATING DIV

Address: 17451 VO

N KARMAN AVE

City: IRVINE CA 92714-6205

Info Phone Number: 714-474-0400

Emergency Phone Number: 714-474-0400

Preparer's Name: NORM GAUL

Proprietary Ind: Y

Review Ind: Y

Published: Y

Contractor Summary

Cage: 33461

Name: DEFT, INC.

Address: 17451 VON KARMAN AVE

City: IRVINE CA 92614

Phone: 949-474-0400

Item Description Information

Item Manager: GSA

Item Name: POLYURETHANE COATING

Specification Number: MIL-C-85285

Type/Grade/Class: TYPE II

Unit of Issue: KT

UI Container Qty: 0

Type of Container: UNKNOWN

Ingredients

Name: \*\*\* PROPRIETARY \*\*\*

Health Hazards Data

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LD50 LC50 Mixture: UNKNOWN

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE:INHALATION MAY CAUSE RESPIRATORY IRRITATION & CNS DEPRESSION.CONTACT MAY CAUSE SKIN & EYE IRRITATION.INGESTION MAY CAUSE GI TRACT IRRITATION;CORROSIVE ACTION IN MOUTH,STOMACH & DIGESTIVE TRACT.C HRONIC:PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN DEFATTING,DRYING &

mp; IRRITATION; SENSITIZATION.

Explanation Of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptions Of Overexposure: INHALED-IRRITATION, HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS OR COMA. EYES-TEARING, REDNESS, SWELLING. SKIN-SWELLING, REDNESS, RASH. INGESTED-NAUSEA, VOMITING.

Medical Cond Aggravated By Exposure: ASTHMA AND ANY OTHER RESPIRATORY DISORDERS. SKIN ALLERGIES, ECZEMA, AND DERMATITIS. ISOCYANATE SENSITIZATION.

First Aid: INHALED-MOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP & WATER. EYES-FLUSH WITH CLEAN LUKEWARM WATER FOR AT LEAST 15 MINUTES, LIFTING EYELIDS. GET MEDICAL ATTENTION. INGESTED-DO NOT INDUCE VOMITING! NOTHING BY MOUTH IF UNCONSCIOUS. OBTAIN MEDICAL ATTENTION.

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Handling and Disposal

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

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: WASTE MUST BE DISPOSE OF IAW LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. EMPTY CONTAINERS MUST BE HANDLED WITH CARE, DUE TO PRODUCT RESIDUE & FLAMMABLE VAPOR. EPA/RCRA H AZWASTE NUMBERS: D001, F003, F005 (PE R MFR).

Handling And Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE IN TIGHTLY CLOSED CONTAINERS AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS.

Other Precautions: STORE IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 29 CFR 1910.106.

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Fire and Explosion Hazard Information

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Flash Point Method: TCC

Flash Point Text: 60.0F,15.6C

Lower Limits: 1.05

Upper Limits:

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

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DURING EMERGENCY CONDITIONS OVER EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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Control Measures

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Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.

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

Protective Gloves: COTTON, NEOPRENE, RUBBER, POLYETHYLENE

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ye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: LONG SLEEVED SHIRTS AND LONG LEG TROUSERS ARE RECOMMENDED.

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

Supplemental Safety and Health: KEY1=F3.

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Physical/Chemical Properties

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HCC: F3

B.P. Text: >241F,>116C

M.P/F.P Text: UNKNOWN

Decomp Text: UNKNOWN

Vapor Pres: UNKNOWN

Vapor Density: >1

Spec Gravity: 1.002

Viscosity: UNKNOWN

Evaporation Rate & Reference: 0.95 (N-BUTYL ACETATE=1)

Solubility in Water: INSOLUBLE

Appearance and Odor: AMBER LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume: 35.2

Corrosion Rate: UNKNOWN

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Reactivity Data

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Stability Indicator: YES

Stability Condition T

o Avoid: HIGH TEMPERATURES, SPARKS OR OPEN FLAMES.  
Materials To Avoid: WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS,  
SURFACE ACTIVE MATERIALS.  
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF  
NITROGEN, TRACES OF HYDROGEN CYANIDE AND HEXAMETHYL DIISOCYANATE (HDI).  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 33461  
Trans ID NO: 122855  
Product ID: 04GY002CAT MIL-C-85285B 36375 TYPE II  
MSDS Prepared Date: 04/30/1993  
Review Date: 06/10/1995  
MFN: 2  
Tech Entry NOS Shipping Nm: METHYL ISOBUTYL KETONE, ETHYL-3-ETHOXYPROPRIONATE  
Net Unit Weight: UNKNOWN  
Multiple KIT  
Number: 0  
Kit Part IND: Y  
Review IND: Y  
Unit Of Issue: KT  
Container QTY: 0  
Type Of Container: UNKNOWN  
Additional Data: PART B OF 2 PART KIT. KIT WILL MAKE 2 QUARTS OF COATING WHEN  
MIXED.

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Detail DOT Information

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DOT PSN Code: LFD  
DOT Proper Shipping Name: PAINT  
DOT PSN Modifier: INCLUDING PAINT, LACQUER, ENAMEL, STAIN, SHELLAC SOLUTIONS,  
VARNISH, POLISH, LIQUID FILLER, AND LIQUID LA

CQUER BASE  
Hazard Class: 3  
UN ID Num: UN1263  
DOT Packaging Group: II  
Label: FLAMMABLE LIQUID  
Special Provision: B52,T7,T30  
Packaging Exception: 150  
Non Bulk Pack: 173  
Bulk Pack: 242  
Max Qty Pass: 5 L  
Max Qty Cargo: 60 L  
Vessel Stow Req: B

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Detail IMO Information

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IMO PSN Code: LCP  
IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL  
IMO PSN Modifier: (INCLUDING PAINT, LACQUER, ENAM  
EL, STAIN, SHELLAC SOLUTIONS,  
VARNISH, POLISH, LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING PAINT  
THINNING OR REDUCING COMPOUND) o  
IMDG Page Number: 3268  
UN Number: 1263  
UN Hazard Class: 3.2  
IMO Packaging Group: I/II \*  
Subsidiary Risk Label: -  
EMS Number: 3-05  
MED First Aid Guide NUM: 310

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Detail IATA Information

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IATA PSN Code: SXI  
IATA UN ID Num: 1263  
IATA Proper Shipping  
Name: PAINT  
IATA PSN Modifier: (INCLUDING  
PAINT,LACQUER,ENAMEL,STAIN,SHELLAC,VARNISH,POLISH,LIQUID FILLER AND LIQUID  
LACQUER BASE)  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
UN Packing Group: II  
Packing Note Passenger: 305  
Max Quant Pass: 5L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 307  
Exceptions: A7,A72

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Detail AFI Information

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AFI PSN Code: SXI  
AFI Proper Shipping Name: PAINT

OR PAINT RELATED MATERIAL  
AFI PSN Modifier: (INCLUDING PAINT,LACQUER,ENAMEL,STAIN,SHELLAC  
SOLUTIONS,VARNISH,POLISH,LIQUID FILLER AND LIQUID LACQUER BASE) OR (INCLUDING  
PAINT THINNING OR REDUCING COMPOUNDS)  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1263  
AFI Packing Group: II  
Special Provisions: P5  
Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: 04GY002CAT MIL-C-85285B 36375 TYPE II

Cage: 33461  
Company Name: DEFT, INC.  
Street: 17451 VON KARMAN AVE  
City: IRVINE CA  
Zipcode: 92614  
Health Emergency Phone: 714-474-0400  
Label Required IND: Y  
Date Of Label Review: 06/09/1995  
Status Code: C  
Label Date: 06/09/1995  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Slight  
Fire Hazard: Severe  
Reactivity Hazard: None  
Hazard And Precautions: FLAMMABLE! INH

ALATION MAY CAUSE RESPIRATORY IRRITATION  
& CNS DEPRESSION.CONTACT MAY CAUSE SKIN & EYE IRRITATION.INGESTION  
MAY CAUSE GI TRACT IRRITATION;CORROSIVE ACTION IN MOUTH,STOMACH &  
DIGESTIVE TR ACT.PROLONGED/REPEATED EXPOSURE MAY CAUSE SKIN DEFATTING,DRYING  
& IRRITATION.MAY CAUSE LIVER/KIDNEY DAMAGE. TARGET  
ORGANS:LUNGS,LIVER,KIDNEYS,EYES,SKIN. FIRST AID:INHALED-MOVE TO FRESH  
AIR.OBTAIN MEDI CAL ATTENTION.SKIN-REMOVE CONTAMINATED CLOTHES.WASH WITH SOAP  
& WATER.EYES-FLU

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UNCONSCIOUS. OBTAIN MEDICAL ATTENTION.

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