

DEFT CHEMICAL COATINGS -- 03-GN-52 CATALYST, GREEN 24052, ISOCYANATE --
8010-01-023-4260

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

Product ID: 03-GN-52 CATALYST, GREEN 24052, ISOCYANATE

MSDS Date: 01/01/1985

FSC: 8010

NIIN: 01-023-4260

Kit Part: Y

MSDS Number: BGFGV

=== Responsible Party ===

Company Name: DEFT CHEMICAL COATINGS

Address: 17451 VON KARMAN AVE

City: IRVINE

State: CA

ZIP: 92714-6205

Country: US

Info Phone

Num: 714-474-0400

Emergency Phone Num: 714-474-0400

CAGE: EO418

=== Contractor Identification ===

Company Name: DEFT CHEMICAL COATINGS

CAGE: EO418

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: METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS: 78-93-3

RTECS #: EL6475000

Fraction by Wt: 42.0%

Other REC Limits: 300 PPM (STEL)

OSHA PEL: 200

PPM/300 STEL
ACGIH TLV:200 PPM/300STEL 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 9.0%
Other REC Limits:150 PPM (STEL)
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:2-ETHOXYETHYL ACETATE (CELLOSOLVE ACETATE) (EGEEA)
CAS:111-15-9
RTECS #:KK8225000
Fraction by Wt: 14.0%
OSHA PEL:S,100 PPM
ACGIH TLV:S, 5 PPM; 9192

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMET
HYLENE DIISOCYANATE)
CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: 0.15%
ACGIH TLV:0.005 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 5.0%
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1 BIURET OF 1,6 HEXAMETHYLENE DIISOCYANATE
Fraction by Wt: 29.8%

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

Routes of Entr

y: Inhalation: YES Skin: YES Ingestion: YES
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 HEADACHE, DIFFICULT BREATHING, UNCONSCIOUSNESS. CHRONIC-AS A RESULT OF PREVIOUS REPEATED OVERACT LATER TO EXPOSURES WELL BELOW ISOCYANATE TLV.

Effects of
Overexposure: EYE: IRRITATION, TEARING, REDNESS, SWELLING, STINGING.
SKIN: IRRITATION, SWELLING, REDNESS, RASH. SKIN
ABSORPTION: IRRITATION, DRYING, DEFATTING, CRACKING.
INHALATION: IRRITATION, UNCONSCIOUSNESS, COMA. INGESTION: SEE SUPPLEMENTAL DATA.

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

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First Aid Measures
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First Aid: EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR.
SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER.
INHALATION: REMOVE TO FRESH AIR.
R. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION.

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Fire Fighting Measures
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Flash Point Method: TOC
Flash Point: 28F, -2.2C
Lower Limits: 1.7
Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.
Fire Fighting Procedures: WEAR SCBA AND PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND TO DISPERSE UNIGNITED VAPORS.
Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DECOMPOSITION PRODUCTS MAY CAUSE HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT.

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Accidental Release Measures
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Spill Release Procedures: EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAME, SPARKS, HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS, AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

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Handling and Storage
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Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS AND IN WELL VENTILATED AREAS.AVOID HIGH TEMPERATURES AND IGNITION SOURCES.

Other Precautions:AVOID PROLONGED INHALATION OF VAPORS.IF VENTILATION IS POOR,ISE A FRESH AIR SUPPLY MASK.

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

Respiratory Protection:NIOSH/MSHA-APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE FOR EXPOSURE OF CONCERN OR SCBA.

Ventilation:LOCAL EXHAUST TO KEEP BELOW TLV. USE NON-SPARKING EQUIPMENT.

Protective Gloves:NEOPRENE,RUBBER,POLYETHYLENE.

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD.

Other Protective Equipment:LONG SLEEVE AND LONG LEG CLOTHING TO PREVENT SKIN CONTACT.

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

Supplemental Safety and Health

TWO PART RESIN MODIFIED POLYURETHANE COATING;TYPE 1 MATERIAL OF MIL-C-83286B;DATA DESCRIBES CATALYST;SEE P/N IND "C" FOR REMAINING

HAZ INGREDIENTS,MSDS LISTED 6 COMPONENTS,NIOSH #6.KEY1:F3

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

HCC:F2

Boiling Pt:B.P. Text:175-331F

Vapor Pres:30

Vapor Density:>1.0

Spec Gravity:0.92

Evaporation Rate & Reference: