

HENTZEN COATINGS INC -- 383 GREEN ZENTHANE P/N 08605GUZ-GD -- 8010-01-229-9561
===== Product Identification =====

Product ID:383 GREEN ZENTHANE P/N 08605GUZ-GD

MSDS Date:04/26/1993

FSC:8010

NIIN:01-229-9561

MSDS Number: BSFTM

=== Responsible Party ===

Company Name:HENTZEN COATINGS INC

Address:6937 W MILL ROAD

City:MILWAUKEE

State:WI

ZIP:53218-1225

Country:US

Info Phone Num:414-353-4200 / FAX 414-

353-0286

Emergency Phone Num:414-353-4200

Preparer's Name:JANE FREEMAN

CAGE:09225

=== Contractor Identification ===

Company Name:HENTZEN COATINGS INC

Address:6937 WEST MILL ROAD

Box:18749

City:MILWAUKEE

State:WI

ZIP:53218

Country:US

Phone:414-353-4200

CAGE:09225

===== Composition/Information on Ingredients =====

Ingred Name:METHYL ISOAMYL KETONE (SOLVENT)

CAS:110-12-3

RTECS #:MP3850000

Fraction by Wt: 23.787%

Other REC Limits:NONE SPECIFIED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

ingred Name:MAGNESIUM-FERRITE (PIGMENT) (NUISANCE DUST)

CAS:12068-86-9

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3

ACGIH TLV:15 MG/M3

ingred Name:SILICA (PIGMENT)

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 20-30%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

ingred Name:HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 20-30%

Other REC Limits:.5 PPM/STEL 1 MG/M3

ingred Name:TRIVALENT CHROME (INSO
LUBLE) (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 6.866%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

ingred Name:INORGANIC SPINEL PIGMENT

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

ingred Name:AROMATIC HYDROCARBON (MIXTURE OF C8'S TO C10'S)

CAS:64742-95-6

Fraction by Wt: 1.498%

Other REC Limits:MFR LIMIT: 100 PPM

ingred Name:BUTYL ACETATE (SOLVENT)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 1.194%

Othe

r REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM

ACGIH TLV:150 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:HEXAMETHYLENE DIISOCYANATE MONOMER

CAS:822-06-0

RTECS #:MO1740000

Fraction by Wt: 0.048%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.005 PPM

ACGIH TLV:0.005 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:VM&P NAPHTHA (SOLVENT)

CAS:8030-30-6

RTECS #:DE3030000

Fraction by Wt: 4.795%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:XYLENE (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 2.040%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/STEL 150 PPM

ACGIH TLV:100 PPM/STEL 150 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:VOC: 3.488 LBS/GAL; 418.542 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health Hazards Acute and Chronic:ACUTE; IRRITATION TO SKIN, EYES, &
RESPIRATORY T

IRITATION (WATERING EYES, DRY THROAT, COUGHING, HEADACHE, TIGHT CHEST, BURNING SENSATION). HEADACHE, DIZZINESS, NAUSEA MAY BE EXPERIENCED BY SOME AS A RESULT OF EXPOSURE TO SOLVENTS.

Explanation of Carcinogenicity:IARC HAS LISTED SILICA AS A PROBABLE HUMAN CARCINOGEN.

Effects of Overexposure:CHRONIC: REPEATED & PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE, LIVER, & KIDNEY DAMAGE. RESPIRATORY SENSITIZATION (ASTHMA LIKE SYMPTOMS),

SKIN SENSITIZATION (RASH, ITCHING, HIVES, SWELLING OF THE EXTREMITIES). DERMATITIS.

Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY AILMENTS; CHEMICAL SENSITIZATION.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM & QUIET. NOTIFY PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH RUNNING WATER FOR AT LEAST 15 MIN, LIFTING EYELIDS. TAKE TO PHYSICIAN. SKIN: WASH AFFECTED ARE AS WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. WASH BEFORE REUSE. CONSULT PHYSICIAN IF IRRITATION DEVELOPS/PERSISTS. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:54.0F,12.2C

Autoignition Temp:Autoignition Temp Text:450.0F

Lower Limits:0.9

Upper Limits:8.2

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:FULL PROTECTIVE EQ

UIPMENT WITH SELF-CONTAINED

BREATHING APPARATUS. DURING FIRE, IRRITATING/HIGHLY TOXIC GASES & SMOKE PRESENT FROM DECOMP/COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD.KEEP FROM HEAT/IGNIT

SOURCE.CLSD CNTNR MAY EXPLODE W/HEAT,BURST WHEN CONTAM W/WATER. DONT APPLY TO HOT SRFCS.NEVER CUT,WELD NEAR DRUM-EXPLOSIVE.

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

Spill Release Procedures:EVAC NON-ESSENTL PEOPLE.REMOVE IGNIT SOURCE.VENT.AVOI

D BREATHING.COVER SPILL W/INERT ABSORB.POUR LIQ
DECONTAM OVER SPILLAGE-ALLOW 10 MIN REACT TIME.COLLECT MAT'L IN
OPEN CNTNR ADD DECONTAM SOLUTION.CO VER LOOSELY.WASH DOWN AREA
W/DECONTAM,FLUSH W/H2O.

Neutralizing Agent:0-10%AMMONIUM HYDROXIDE,2-5%DETERGENT &
WATER.SOLUTN:TEGRITOL 20%TMN-10,80%WATER

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

Handling and Storage Precautions:DO NOT STORE ABOVE 120F OR BELOW 32F.
STORE LARGE QUANTITIES IN BUILDINGS DESI
GNED TO COMPLY WITH OSHA
1910.106. KEEP FROM SPARKS & OPEN FLAME.

Other Precautions:KEEP CNTNR CLOSED. IF MOISTURE ENTERS, DONT RESEAL.
DONT INGEST. GROUND CNTNRS WHEN POURING. AVOID LIQ FREE FALL >FEW
INCHES. USE W/VENT & RESP EQUIP. EMPTIED CNTNRS MAY RETAIN HZD
RESIDUE. FOLLOW PRE CAUTIONS. AVOID EYE, SKIN, CLOTH CONTACT

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

Respiratory Protection:USE AIRLINE RESPIRATOR UNLESS AIR SAMPLING SHOWS
EXPOSURE TO
BE BELOW PEL. THEN, EITHER CHEMICAL CARTRIDGE
RESPIRATORS OR AIRLINE RESPIRATOR ARE REQ'D. USE SAME PRECAUTIONS
DURING MIXING OR ANY OPERAT IONS WHERE PAINT FUMES WOULD BE
PRESENT.

Ventilation:GENERAL DILUTION/LOCAL EXHAUST TO KEEP BELOW PEL/TLV DURING
MIXING, APPLICATION, CURING & REMOVE DECOMP PROD (WELD,CUT).

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY EYEWEAR W/SPLASH GUARD & SIDESHLD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO KEEP SKIN
C

ONTACT AT A MINIMUM.

Work Hygienic Practices:WASH HANDS AND ANY EXPOSED SKIN THOROUGHLY
BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:244 TO 418F

Decomp Temp:Decomp Text:400F,204C

Vapor Pres:15.00

Vapor Density:> AIR

Spec Gravity:1.23

Viscosity:65-68 KU

Evaporation Rate & Reference:FASTER THAN BUTYL ACETATE

Solubility in Water:REACTS WITH WATER

App

Appearance and Odor: OPAQUE LIQUID, SOLVENT ODOR
Percent Volatiles by Volume: 51.63

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

Stability Indicator/Materials to Avoid: YES

ONCE MATERIAL HAS BEEN EXPOSED TO ANY OF THE ABOVE OR ATMOSPHERIC MOISTURE DONT SEAL CNTNR AS CO2 COULD BLDUP IN CNTNR.

Stability Condition to Avoid: CONTAMINATION WITH WATER, EPOXY CATALYSTS, ALCOHOLS, GLYCOL ETHERS, BASES, METAL COMPLEXES OR OTHER ACTIVE MATERIALS.

Hazardous Decomposition Products:

CO2, CO, OXIDES OF NITROGEN, TRACES OF HYDROGEN CYANIDE, HEXAMETHYLENE DIISOCYANATE.

Conditions to Avoid Polymerization: SEE ABOVE

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DECONTAMINATE CONTAINERS PRIOR TO DISPOSAL.

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