

HENTZEN COATINGS INC -- PAINT, HEAT RESISTING, OLIVE DRAB, MIL-P-14105C, 2366GML --
8010-00-616-4009

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

Product ID:PAINT, HEAT RESISTING, OLIVE DRAB, MIL-P-14105C, 2366GML

MSDS Date:12/15/1993

FSC:8010

NIIN:00-616-4009

MSDS Number: BTGFG

=== Responsible Party ===

Company Name:HENTZEN COATINGS INC

Address:6937 W MILL ROAD

City:MILWAUKEE

State:WI

ZIP:53218-1225

Count

ry: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:BUTYL ALCOHOL SOLVENT (SARA III)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 3.442%

Other REC Limits:(SKIN N

OTATI
OSHA PEL:50 PPM (CEILING)
ACGIH TLV:50 PPM (CEILING)
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TITANIUM DIOXIDE PIGMENT
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMME
OSHA PEL:10 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:TALC PIGMENT
CAS:14807-96-6
RTECS #:WW2710000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMME
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:OXIDE PORTION OF CHROME OXIDE
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMME

Ingred Name:TRIVALENT CHROME (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 7.117%
Other REC Limits:NONE RECOMME
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:SILICONE RESIN
Fraction by Wt: 20-30%
Other REC Limits:NONE RECOMME

Ingred Name:ISOBUTYL ALCOHOL SOLVENT (SARA III)
CAS:78-83-1
RTECS #:NP9625000
Fraction by Wt: 1.171%
Other REC Limits:NONE RECOMME
OSHA PEL:50 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:

ETHYL BENZENE SOLVENT (SARA III)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 2.620%

Other REC Limits:NONE RECOMME

OSHA PEL:100 PPM;STEL 125 PPM

ACGIH TLV:100 PPM;STEL 125 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE SOLVENT (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 17.904%

Other REC Limits:NONE RECOMME

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:SILICEOUS EXTENDER PIGMENT

Fraction by

Wt: 1-5%

Other REC Limits:NUISANCE DUS

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:MICA PIGMENT

CAS:12001-26-2

RTECS #:VV8760000

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMME

OSHA PEL:20 MPPCF

ACGIH TLV:3 MG/M3 (RESP DUST)

Ingred Name:BARIUM COMPOUND

Fraction by Wt: 1.937%

Other REC Limits:NUISANCE DUS

Ingred Name:NICKEL COMPOUNDS (INSOLUBLE COMPOUNDS) (SARA III)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 0.645%

Other REC Limits:NONE RECOMME

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

Ingred Name:FRITS
Fraction by Wt: 15-20%
Other REC Limits:NUISANCE DUS

Ingred Name:AROMATIC HYDROCARBONS (MIXTURE OF C8'S TO C10'S)
CAS:64742-95-6
Fraction by Wt: 1.847%

Ingred Name:VOC: 3.494 LBS/GAL; 418.686 GRAMS/LITER
RTECS #:9999999VO
Other REC Limits:NONE RECOMME

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

Reports of Carcinogenicity:NTP:YES IARC:YES
Health Hazards Acute and Chronic:INHALATION: ANESTHETIC. RESPIRATORY
TRACT IRRITATION OR ACUTE NERVOUS SY
STEM DEPRESSION (HEADACHE,
DIZZINESS, STAGGERING, CONFUSION OR COMA). SKIN OR EYE CONTACT:
IRRITATION. CHRONIC OVEREXPOSURE: REP EATED/PROLONGED OVEREXPOSURE
ASSOCIATEDWITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE, LIVER &
KIDNEY DAMAGE. DERMATITIS.
Explanation of Carcinogenicity:NICKEL COMPND NOT SPECIFICALLY LISTED,
BUT IARC & NTP LIST NICKEL & CERTAIN NICKEL COMPND PROBABLY
CARCINOGENIC TO HUMAN
Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY
AILMEN
TS; CHEMICAL SENSITIZATION.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP
WARM & QUIET. NOTIFY A PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH
LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. TAKE TO
PHYSICIAN FOR M EDICAL TREATMENT. SKIN: WASH AFFECTED AREAS WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN.
INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMM
EDIATELY.

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

Flash Point Method:TCC
Flash Point:81.0F,27.2C
Lower Limits:1.0
Upper Limits:11.2
Extinguishing Media:FOAM, DRY CHEMICAL, CO2
Fire Fighting Procedures:WEAR PROTECT EQUIP INCLUDING SCBA. WATER MAY
BE INEFFECTIVE, USE WATER (FOG NOZZLES PREFERRED) COOL CLOSED CNTNR
TO PREVENT PRESSURE BLDUP,AUTOIGNITN,EXPLOSION.
Unusual Fire/Explosion Hazard:KEEP CONTAINER TIGHTLY CLOSED. KEEP FROM
HEAT/IGNIT SOURCE. CLOSE

D CNTNR MAY EXPLODE W/HEAT. DON'T APPLY TO
HOT SURFACES. NEVER USE WELD/CUT TORCH ON/NEAR DRUM.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, ELECTRICAL, STATIC OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN & REMOVE WITH INERT ABSORBENT AND NONSPARKING TOOLS.

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

Handling and Storage Precautions:

DO NOT STORE ABOVE 120F. STORE LARGE

QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM SPARKS AND OPEN FLAME.

Other Precautions:DO NOT INGEST. GROUND CONTAINERS WHEN POURING. AVOID LIQ FREE FALL > FEW INCHES. USE W/VENT & RESP EQUIPMENT. AVOID PROLONGED VAPOR BREATHING, SKIN CONTACT. EMPTIED CONTAINER MAY RETAIN HAZARDOUS RESI DUE OR EXPLOSIVE VAPOR.

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

Respiratory Protection

:WHEN SPRAYED IN OUTDOOR OR DURING SAND/GRINDING:

NIOSH MECHAN FILTER RESPRTR (RMV SOLID PARTICLES). RESTRICTED AREA:

NIOSH CHEM/MECHAN FILTER. CONFINED AREA: NIOSH AIR SUPPLIED

RSPRTR/HOOD. USE NIOSH RSPRTR WHEN CUT/WELD HAZING TO TORCH.

Ventilation:GENRL DILUTN/LOCAL EXHAUST VENT TO KEEP BELOW PEL/TLV WHILE MIXING,APPLICATION,CURING,REMOVE DECOMP FROM WELD/FLAME CUT.

Protective Gloves:REQUIRED FOR PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY EYEWEAR W/SPLASH GUARDS,SIDE SH

LD

Other Protective Equipment:USE PROTECTIVE SKIN CREAM WHERE CONTACT IS LIKELY. PREVENT PROLONGED SKIN CONTACT WITH CONTAMINATED CLOTHING.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED SMOKING AREAS ONLY.

Supplemental Safety and Health

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

HCC:F3

Boiling Pt:B.P. Text:220 TO 418F

Vapor Pres:9.00 @ 68F

Vapor Density:> AIR

Spec Gravity:1.47

Visc

osity:65 TO 70 KU

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:OPAQUE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:48.82

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Hazardous Decomposition Products:MAY PRODUCE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITION AS IN WELDING. MAY CONTAIN CARBON MONOXIDE & CARBON DIOXIDE.

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Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN AN APPROVED FACILITY. EPA HAZARDOUS WASTE NUMBER/CODE: D001. HAZARD WASTE CHARACTERISTIC: IGNITABLE. DISPOSAL METHOD: INCINERATION.

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