

HENTZEN COATINGS, INC -- BROWN 383 POLYEURETHANE COATING #0-7106TWU --
8010-01-426-5513

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

Product ID:BROWN 383 POLYEURETHANE COATING #0-7106TWU

MSDS Date:09/23/1996

FSC:8010

NIIN:01-426-5513

Kit Part:Y

MSDS Number: CDWBD

=== Responsible Party ===

Company Name:HENTZEN COATINGS, INC

Address:6937 WEST MILL ROAD

City:MILWAUKEE

State:WI

ZIP:53218

Country:US

Info Phone

Num:414-353-4200

Emergency Phone Num:414-353-4200/CHEMTREC 800-424-9300

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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 30-40%

Other REC Limits:NONE RECOMMENDED

Ingred Name:BLACK IRON OXIDE

PIGMENT

CAS:1317-61-9

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:CHROMIUM OXIDE (SARA 313)

CAS:1308-38-9

RTECS #:GB6475000

Fraction by Wt: 10.531%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

Ingred Name:RED IRON OXIDE PIGMENT

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 0-5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:SILICA

CAS:14808-60-7

RTECS #:VV7330000

Fract

ion by Wt: 15-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3 RDUST

Ingred Name:TALC (CONTAINING ASBESTOS)

CAS:14807-96-6

RTECS #:MW2700000

Fraction by Wt: 5-10.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2.0MG/M3 FIBERS/CC

ACGIH TLV:2.0 MG/M3 FIBER/CC

Ingred Name:SILICA

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: 1-5.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:20 MPPCF

ACGIH TLV:10 MG/M3 TDUST

Ingred Name:1-METHYLPYRROLIDONE

CAS:872-50-4

RTECS #:UY57900

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Fraction by Wt: 4.632%

Other REC Limits:200 PPM MFR

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:CHRONIC: INHAL: HEADACHE, NAUSEA,
IRRIT TO RESPIRATORY PASSAGES. SKIN: IRRITATION, DEFATTING,
DERMATITIS. EYE: IRRITATION., OTHER: BRAIN/NS/LIVER/KIDNEY DAMAGE,
DELAYED RESPIRATORY SYSTEM EFFECTS, LUN G INJURY.

Explan

ation of Carcinogenicity:SILICA IS LISTED AS A PROBABLE HUMAN
CARCINOGEN.

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

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

First Aid:INHAL: 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. LIFT LIDS. TAKE
TO PHYSICIAN FOR MEDICAL TREATMENT. S

KIN: WASH WITH SOAP & WATER.

REMOVE CONTAM CLOTHES, WASH BEFORE REUSE, CALL DR. INGEST: CALL
DR/POISON CONTROL CENTER IMMED.

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

Flash Point Method:TCC

Flash Point:>201F,>94C

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA1.0

Upper Limits:NA11.2

Extinguishing Media:ALCOHOL FOAM, WATER FOG, CARBON DIOXIDE

Fire Fighting Procedures:WEAR PROTECT EQUIP INCLUDING SCBA. WATER MAY
BE INEFFECTIVE, USE WATER (FOG NOZ
ZLES PREFERRED) COOL CLOSED CNTNR

TO PREVENT PRESSURE BLDUP,AUTOIGNITN,EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CONTAINER TIGHTLY CLOSED. NO IGNITS
CONTAINER MAY EXPLODE W.HEAT DONT WELD/TORCH ON/NEAR CONTAINER.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE
AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. AVIOD BREATHING
VAPORS/SKIN CONTACT. PREVENT ENTRY TO DRAINS/SEWERS/WATERWAYS.
NOT

IFY AUTHORITIES. CONTAIN & REMOVE WITH INERT ABSORBENT AND
NONSPARKING TOOLS.

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

Handling and Storage Precautions:DONT STORE @>120F. LARGE AMTS IN
BUILDINGS COMPLYING W/(OSHA 1910.106). NO IGNITS. KEEP
CLOSED/UPRIGHT/TIGHT WHEN NOT IN USE. EMPTY CNTNR HAZARDOUS.
Other Precautions:SOAK SOILED RAGS/WASTES IN H2O FILLED CLOSED CNTNR.
USE W/ADEQUATE VENT, AVOID VAPOR BREATHING/SKIN CONTACT,
GROUND/BOND WHEN TRANS
FERRING, AVOID FREEFALL OF LIQ >FEW INCHES,
USE SPARKPROOF TOOLS/EXPL OSION PROOF EQUIPMENT.

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

Respiratory Protection:OUTDOOR/SANDING/GRINDING: NIOSH MECHANICAL
FILTER RESPRTR. CONFINED AREA: NIOSH AIR SUPPLIED RESPIRATOR/HOOD.
AIR MONITORING MAY BE REQUIRED.
Ventilation:GENERAL DILUTION/LOCAL EXHAUST TO KEEP BELOW PEL/TLV.
Protective Gloves:CHEMICAL RESISTANT
Eye Protection:SAFETY EYEWEAR W/SPLASH GUARDS/SIDE SHLD
O
ther Protective Equipment:APPROPRIATE TO PREVENT PROLONGED SKIN
CONTACT.
Work Hygienic Practices:WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN
DESIGNATED SMOKING AREAS ONLY.
Supplemental Safety and Health
MORE INFORMATION ON FILE.

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

Boiling Pt:B.P. Text:209 TO 400F
Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C
Vapor Pres:20 @ 68F
Vapor Density:> AIR
Spec Gravity:1.41
pH:NA
VOC Grams/Liter:1.29
Evaporation Rate & Reference:

SLOWER THAN BUTYL ACETATE
Solubility in Water: APPRECIABLE
Appearance and Odor: OPAQUE LIQUID, MILD ODOR

===== 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.

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

Waste Disposal Methods: RECYCLE OR INCINERATE IN ACCORDANCE WITH LOCAL,
STATE, & FEDERAL REGULATIONS.

===== Other Information =====

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