

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

===== 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 N

um: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

===== 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

Fracti

on 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 #:UY579000

0

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.

Explana

tion 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. SK

IN: 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 NOZZ

LES 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.
NOTI

FY 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 TRANSFERRING, 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 Other 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: S

LOWER 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 INCIN
ERATE IN ACCORDANCE WITH LOCAL,
STATE, & FEDERAL REGULATIONS.

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

=====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all
liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.