

HENTZEN COATINGS, INC -- FLAT HIGH HEAT BLACK SILICONE ENAMEL #02308KML --
8010-01-235-4166

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

Product ID:FLAT HIGH HEAT BLACK SILICONE ENAMEL #02308KML

MSDS Date:02/14/1996

FSC:8010

NIIN:01-235-4166

MSDS Number: CDVSR

=== 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:BUTYL ALCOHOL SOLVENT (SARA III)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 3.97%

Other REC Limits:NONE RECOMMENDED

OSHA PEL

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

Ingred Name:TALC PIGMENT
CAS:14807-96-6
RTECS #:WW2710000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:NICKEL COMPOUNDS (INSOLUBLE COMPOUNDS) (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: 0.648%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3

Ingred Name:ISOBUTYL ALCOHOL SOLVENT (SARA III)
CAS:78-83-1
RTECS #:NP96250
00
Fraction by Wt: 1.172%
Other REC Limits:NONE RECOMMENDED
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: 1.984%
Other REC Limits:NONE RECOMMENDED
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: 18.54%
Other REC Limits:NONE RECOMMENDED

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 POWDER
CAS:66402-68-4
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
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 RECOMMENDED
OSHA PEL:20 MPPCF
ACGIH TLV:3 MG/M3 (RESP DUST)

Ingred Name:BARIUM COMPOUND
Fraction by Wt: 1.947%
Other REC Limits:NUISANCE DUST

Ingred Name:AROMATIC HYDROCARBONS (MIXTURE OF C8'S TO C10'S)
CAS:64742-95-6
Fraction by Wt: 2.126%
Other REC Limits:MFR'S LIMIT: 100 PPM

Ingred Name:MANGANESE COMPOUND (SARA 313)
CAS:7439-96-5
RTECS #:OO9275000
Fraction by Wt: 2.474%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3 SEALING
ACGIH TLV:5 MG/M3

Ingred Name:COPPER COMPOUND (SARA 313) (CERCLA)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 2.12%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1MG/M3
ACGIH TLV:1MG/M3
EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA 313)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: 1.08%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM

Ingred Name:FRITS

CAS:65997-18-4

Fraction by Wt: 15-20%

Other REC Limits:NUISSANCE DUST

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

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

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

Health Hazards Acute and Chronic:INHAL:

ANESTHETIC. RESPIRATORY TRACT

IRRITATION OR ACUTE NERVOUS SYSTEM DEPRESSION (HEADACHE, DIZZINESS,
STAGGERING, CONFUSION OR COMA). SKIN: IRRITATION, DEFATTING,
DERMATITIS. EYE: IRRITATION. CHRON IC: BRAIN/NS/LIVER/KIDNEY
DAMAGE.

Explanation of Carcinogenicity:IARC & NTP LIST NICKEL AS PROBABLY
CARCINOGENIC TO HUMAN.

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

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

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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. SKIN: WASH WITH SOAP & WATER.
REMOVE CONTAM CLOTHES, WASH BEFORE REUSE, CALL DR. INGEST: CALL
DR/POISON CONTROL CENTER IMMED.

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

Flash Point Method:TCC

Flash Point:81

.0F,27.2C

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:0.9

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. CLOSED CNTNR MAY EXPLODE W/HEAT. DON'T APPLY TO HOT SRFCS. NEVER USE WELD/C UT TORCH ON/NEAR DRUM.

===== 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. NOTIFY AUTHORITIES. CONTAIN & REMOV E WITH INERT ABSORBENT AND NONSPARKING TOOLS.

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

Handling and Storage Precautions:DONT STORE @>120

F. LARGE AMTS IN

BUILDINGS DESIGNED (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:CHENICAL 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:220 TO 418F
Melt/Freeze Pt:M.P/F.P Text:NA
Vapor Pres:9.00 @ 68F
Vapor Density:> AIR
Spec Gravity:1.39
pH:NA
VOC Grams/Liter:3.38
Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE
Solubility in Water:NEGLIGIBLE
Appearance and Odor:OPAQUE LIQUID, SOLVENT 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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