

HENTZEN COATINGS, INC -- GREEN HIGH SOLIDS HEAT RESISTNT COATING 02359GML --  
8010-01-235-4164

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

Product ID:GREEN HIGH SOLIDS HEAT RESISTNT COATING 02359GML

MSDS Date:02/14/1996

FSC:8010

NIIN:01-235-4164

MSDS Number: CDVSQ

=== 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

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

Ingred Name:BUTYL ALCOHOL SOLVENT (SARA III)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 3.397%

Other REC Limits:NONE RECOMMENDED

OSH

A 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: 1-5.0%  
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: 0.636%  
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 #:N  
P9625000  
Fraction by Wt: 1.144%  
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: 2.018%  
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: 18.373%  
Other REC Limits:NONE RECOM

MENDED

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: 1-5.0%

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: 1.912%

Other REC Limits:NUISANCE D

UST

Ingred Name:AROMATIC HYDROCARBONS (MIXTURE OF C8'S TO C10'S)

CAS:64742-95-6

Fraction by Wt: 1.822%

Other REC Limits:MFR'S LIMIT: 100 PPM

Ingred Name:TRIVALENT CHROME (INSOLUBLE) (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 7.645%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC METAL (SARA 313) (CERCLA)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 1.427%

Other REC Limits:NUISSANCE DUST

EP

A Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:FRITS  
Fraction by Wt: 15-20%  
Other REC Limits:NUISSANCE DUST

===== 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, DEFAT  
TING,  
DERMATITIS. EYE: IRRITATION. CHRON IC: BRAIN/NS/LIVER/KIDNEY DAMAGE  
DERMATITIS, DELAYED RESPIRATORY SYSTEM EFFECTS.  
Explanation of Carcinogenicity:IARC & NTP LIST NICKEL AS PROBABLY  
CARCINOGENIC TO HUMAN.  
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. E  
YES: 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.

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

Flash Point Method:TCC  
Flash Point:81.0F,27.2C  
Autoignition Temp:Autoignition Temp Text:NA  
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. CLOSED CNTNR MAY EXPLODE W/HEAT. DON'T APPLY TO HOT SRFCs. NEVER USE WELD/CUT TORCH ON/NEAR DRUM.

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

Spill Release Procedu

res: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 @>120F. 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 MONITOR ING 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  
NMORE 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:1.43  
pH:NA  
VOC Grams/Liter:3.37  
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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