

HENTZEN COATINGS INC -- SAND ZENTHANE, 08618 TUA-GD -- 8010-01-234-2935

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Product Identification
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Product ID:SAND ZENTHANE, 08618 TUA-GD

MSDS Date:04/26/1993

FSC:8010

NIIN:01-234-2935

MSDS Number: BRKLN

=== Responsible Party ===

Company Name:HENTZEN COATINGS INC

Address:6937 W MILL ROAD

City:MILWAUKEE

State:WI

ZIP:53218-1225

Country:US

Info Phone Num:414-353-4200 / FAX 414-353-0286

Emerg

ency 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

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Composition/Information on Ingredients
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Ingred Name:METHYL ISOAMYL KETONE SOLVENT

CAS:110-12-3

RTECS #:MP3850000

Fraction by Wt: 30.700%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:50 PPM; 9293

Ingred Nam

e:YELLOW IRON OXIDE PIGMENT (EXPOSURE LIMITS ARE FOR IRON
OXIDE FUME)

CAS:1332-37-2

RTECS #:NO7380000

Fraction by Wt: 1-5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:TITANIUM DIOXIDE PIGMENT

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA PIGMENT (SARA 313)

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 20-30%

Other REC Limits:NONE SPECIFIED

OSHA PEL:SEE TABLE Z3

ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE (HDI)

CAS:28182-81-2

RTECS #:HQ9170000

Fraction by Wt: 20-30%

Other REC Limits:MFR.5MG/M3STEL1MG/M3

Ingred Name:TRIVALENT CHROME (SARA 313)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 1.687%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

CAS:64742-95-6

Fraction by W

t: 1.259%

Other REC Limits:100 PPM = MFR'S

Ingred Name:BUTYL ACETATE SOLVENT

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: 1.258%

Other REC Limits:NONE SPECIFIED

OSHA PEL:150 PPM/STEL 200 PPM

ACGIH TLV:150 PPM/STEL 200 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:HEXAMETHYLENE DIISOCYANATE MONOMER

CAS:822-06-0

RTECS #:MO1740000

Fraction by Wt: 0.050%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.005 PPM

ACGIH TLV:0.005 PPM

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:VOC: 3.496 LB

S/GAL; & 418.925 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:CHRONIC: OVEREXPO TO SOLVENTS CAUSE

PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE, PLUS LIVER & KIDNEY.

OVEREXPO TO ISOCYANATE CONTAINING PRODUCTS LEAD TO RESPIRATORY

SENSITIZATION CHARACTERIZED BY AL

LERGIC DERMATITIS WHICH INCLUDE

RASH, ITCHING, HIVES & SWELLING OF EXTREMITIES. CONTACT W/TRIVALENT

CHROME CAUSE DERMATITIS,

Explanation of Carcinogenicity:BASED UPON LABORATORY ANIMAL DATA, IARC

HAS LISTED SILICA AS A "PROBABLE HUMAN CARCINOGEN."

Effects of Overexposure:IRRITATION TO SKIN, EYES & RESPIRATORY TRACT

(NOSE, THROAT, LUNGS). WATERING EYES, DRYNESS OF THROAT, COUGHING,

HEADACHE, TIGHTNESS IN CHEST OR BURNING SENSATION. HEADACHE,

DIZZINESS OR NAUSEA MAY BE EXP

EXPERIENCED BY SOME AS A RESULT OF EXPOSURE TO SOLVENTS. MAY CAUSE LUNG INJURY IF RESPIRATORY PROTECTION IS NOT USED.

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

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

First Aid: INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. KEEP WARM & QUIET. CONSULT A PHYSICIAN. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES WHILE LIFTING EYELIDS. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP & WATER TO AFFECTED AREAS. CONSULT A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF SWALLOWED, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method: TCC

Flash Point: 60.0F, 15.6C

Lower Limits: 1.0

Upper Limits: 8.2

Extinguishing Media: CO2, DRY CHEMICAL, FOAM, ALCOHOL FOAM.

Fire Fighting Procedures: FULL PROTECTIVE EQUIPMENT W/SCBA SHOULD BE WORN. DURING

A FIRE, IRRITATING & HIGHLY TOXIC GASES & SMOKE ARE PRESENT FROM THE DECOMPOSITION/COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard: CLOSED CONTAINER MAY EXPLODE EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED W/H2O (CO2 EVOLVED). DON'T WELD, CUT, TORCH DRUM FULL/EMPTY MAY IGNITE & EXPLODE

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

Spill Release Procedures: EVACUATE NON-ESSENTIAL PERSONNEL. REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, ELECTRICAL, STATIC OR SPARKS). VENTILATE AREA. AVOID BREATHING VAPORS. COVER SPILL W/INERT ABSORBENT. POUR DECONTAMINANT OVER SPILLAGE. REMOVE CONTAINERS TO SAFE.

Neutralizing Agent: 0-10% AMMONIUM HYDROXIDE, 2-5% DETERGENT-TERGITOL TMN-10 (20%) & WATER (80%).

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

Handling and Storage Precautions: DON'T STORE > 120F OR < 32F. LRG QUANTITIES IN BUILDINGS DESIGNED TO COMPLY W/OSHA 1910.106. KEEP AWAY FROM ALL HEAT.

KEEP TIGHTLY CLOSED.

Other Precautions:DON'T INGEST. GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUID EXCESS OF FEW INC. VENT WELL, PROPER RESPIRATORY EQUIP. EMPTY CONTAINERS RETAIN HAZARDOUS RESIDUE OR EXPLOSIVE VAPORS. PROTECT FM MOISTURE, IF MOIST ENTERS PRESSURE CAN BUILDUP

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

Respiratory Protection:THE SURGEON GENERAL REQUIRES AIRLINE RESPIRATORS USED UNLESS AIR SAMPLING SHOWS EXPOSURE BELOW OSHA LIMITS. THEN

EITHER, CHEMICAL CARTRIDGE RESPIRATORS OR AIRLINE RESPIRATORS ARE REQUIRED.

Ventilation:GENERAL DILUTION VENTILATION, LOCAL EXHAUST VENTILATION TO KEEP AIR CONTAMINANT CONCENTRATION BELOW OSHA REQUIREMENTS.

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY GLASSES, FULL-FACE SHIELD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO KEEP SKIN CONTACT AT A MINIMUM.

Work Hygienic Practices:REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER

HANDLING & BEFORE EATING OR SMOKING.

Supplemental Safety and Health

SMOKE IN DESIGNATED AREAS ONLY.

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

HCC:F2

Boiling Pt:B.P. Text:244 TO 418F

Decomp Temp:Decomp Text:400F,204C

Vapor Pres:8 @ 68F

Vapor Density:> AIR

Spec Gravity:1.23

Viscosity:65-68 KU

Evaporation Rate & Reference:EQUAL TO BUTYL ACETATE

Solubility in Water:REACTS WITH WATER

Appearance and Odor:OPAQUE LIQUID WITH SOLVENT ODOR.

Percent Volatiles by Volume

:51.19

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

Stability Indicator/Materials to Avoid:YES

EPOXY CATALYSTS, ALCOHOLS, GLYCOL ETHERS, BASES, METAL COMPLEXES OR OTHER ACTIVE MATERIALS.

Stability Condition to Avoid:CONTAMINATION W/H2O. ONCE MATERIAL HAS BEEN EXPOSED TO ANY OF THE BELOW OR ATMOSPHERIC MOISTURE, DON'T SEAL CONTAINER.

Hazardous Decomposition Products:BY FIRE: CO2, CO, OXIDES OF NITROGEN, TRACES OF HYDROGEN CYANIDE, HEXAMETHYLENE DIISOCYANAT

E.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. DECONTAMINATE CONTAINERS PRIOR TO DISPOSAL. FOLLOW ALL PRECAUTIONS IN THIS DATA SHEET UNTIL CONTAINER IS THOROUGHLY CLEANED OR DESTROY ED.

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