

HENTZEN COATINGS INC -- SAND ZENTHANE, 686A P/N 08618TUA-GD -- 8010-01-234-2935  
===== Product Identification =====

Product ID:SAND ZENTHANE, 686A P/N 08618TUA-GD

MSDS Date:08/31/1995

FSC:8010

NIIN:01-234-2935

MSDS Number: CBTWD

=== 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

Emergency

Phone Num:414-353-4200 800-424-9300(CHEMTREC)

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:METHYL ISOAMYL KETONE SOLVENT

CAS:110-12-3

RTECS #:MP3850000

Fraction by Wt: 20.821%

Other REC Limits:NONE SPECIFIED

OSHA PEL:50 PPM

ACGIH TLV:50 PPM

Ingred Name:TITANIUM DIOXIDE PIGMENT  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:SILICA PIGMENT (SARA 313)  
CAS:14808-60-7  
RTECS #:VV7330000  
Fraction by Wt: 20-30%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3

Ingred Name:HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE (HDI)(EXACT  
PERCENTAGE IS A TRADE SECRET)  
CAS:28182-81-2  
RTECS #:HQ9170000  
Fraction by Wt: 20-30%  
Other REC Lim  
its:MFR.5MG.M3STEL1MG/M3

Ingred Name:AROMATIC HYDROCARBONS (MIXTURE OF C8'S TO C10'S)  
CAS:64742-95-6  
Fraction by Wt: 1.240%  
Other REC Limits:100 PPM = MFR'S

Ingred Name:BUTYL ACETATE SOLVENT  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 1.240%  
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 (SARA 313)  
CAS:822-06-0  
RTECS #:MO1740000  
Fraction by Wt: 0.049%  
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:VM&P NAPHTHA SOLVENT

CAS:8030-30-6

RTECS #:DE3030000

Fraction by Wt: 5.615%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM

Ingred Name:XYLENE (SARA 313)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 4.776%

Other REC Limits:NONE SPECIFIED

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:VOC: 3.494

LBS/GAL; 418.686 GRAMS/LITER

RTECS #:9999999VO

Other REC Limits:NONE SPECIFIED

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

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

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

Health Hazards Acute and Chronic:CHRONIC: OVEREXPO TO SOLVENTS CAUSE PERMANENT BRAIN/NERVOUS SYSTEM/LIVER/KIDNEY DAMAGE. OVEREXPO TO ISOCYANATE LEADS TO RESPIRATORY SENSITIZATION CHARACTERIZED BY ALLERGIC DERMATITIS WHICH INCLUD

ES RA SH, ITCHING, HIVES, SWELLING.

INGEST: IRRIT/CORROSIVE TO MOUTH/STOMAH TISSUE/DIGEST TRACT/SORE THROAT\*\*

Explanation of Carcinogenicity:BASED UPON LABORATORY ANIMAL DATA, IARC HAS LISTED SILICA AS A "PROBABLE HUMAN CARCINOGEN."

Effects of Overexposure:SKIN/EYE/RESP TRACT IRRIT (NOSE/THROAT/LUNGS). WATERING EYES/DRY THROAT/COUGHING/HEADACHE/TIGHT CHEST/BURNING SENSATION. SOLVENTS EXPOSURE MAY CAUSE HEADACHE/DIZZINESS/NAUSEA. SHORTNESS OF BREATH. EXP OSURE >LIMITS MAY

LEAD TO

BRONCHITIS/BRONCHIAL SPASM/PULMINARY EDEMA. CHEM/HYPERSENSITIVE  
PNEUMONITIS W/FLU-LIKE SYMPTOM

Medical Cond Aggravated by Exposure:SKIN ALLERGIES AND EXEMA, ASTHMA &  
OTHER RESPIRATORY AILMENTS, CHEMICAL SENSITIZATION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. CONSULT  
DR. EYES: FLUSH IMMED W/LUKE WARM RUNNING WATER 15 MINUTES, LIFTING  
EYELIDS. GET MEDICAL ATTENTION. SKIN: REMOVE

CONTAM CLOTHES/WASH

BEFORE REUSE. USE SAFETY SHOWER AFTER REMOVINGCLOTHES. GET MEDICAL  
AID. LESSER EXPOSURE, CONTACT DR IF IRRITATION DEVELOPS/PERSISTS.

INGESTION: CALL DR IMMED. DON'T INDUCE VOMITING.

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

Flash Point Method:TCC

Flash Point:54.0F,12.2C

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:0.9

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 CONTAINERS EXPOSED TO EXTREME HEAT  
MAY EXPLODE OR BURST WHEN CONTAMINATED W/H2O (CO2 RELEASED). DON'T  
WELD, CUT, TORCH DRUMFULL/EMPTY MAY IGNITE/EXPLODE.

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

Spill Release Procedures:EVACUATE NON-ESSENTIAL PERSONNEL. REMOVE IG  
NIT

SOURCES (FLAMES/HOT SURFACES/ELECTRICAL/STATIC/SPARKS). VENTILATE  
AREA.AVOID BREATHING VAPORS. COVER W/INERT ABSORBENT.POUR  
DECONTAMINANT/ALLOW TO REACT >10 MIN.COLLECT IN OPEN CNTNR/ADD  
MORE DECONTAM\*\*\*

Neutralizing Agent:3-8% CONCENTRAT AMMONIA/2% DETERGENT/90-95% H2O OR  
TERGITOL TNN-10 20%/WATER 80%

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

Handling and Storage Precautions:DON'T STORE >120F OR