

HENTZEN COATINGS, INC. -- SAND ZENTHANE, MIL-C-53039A(ME) -- 8010-01-234-2936

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Product Identification
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Product ID:SAND ZENTHANE, MIL-C-53039A(ME)

MSDS Date:09/19/1989

FSC:8010

NIIN:01-234-2936

MSDS Number: BHNGS

=== Responsible Party ===

Company Name:HENTZEN COATINGS, INC.

Address:6937 WEST MILL ROAD

Box:18642

City:MILWAUKEE

State:WI

ZIP:53218

Country:US

Info Phone Num:414-353-4200

Emer

gency Phone Num:414-353-4200

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

CAS:110-12-3

RTECS #:MP3850000

Fraction by Wt: 30-40%

OSHA PEL:100 PPM

ACGIH TLV:50 PPM; 9293

Ingred Name:TITANIUM DIOXIDE

CAS:13463-67-7

RTECS #:XR2275000

Fraction by Wt: 5

-10%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Fraction by Wt: 20-30%
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
Fraction by Wt: 1.64%
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 1.0-5.0%
OSHA PEL:150 PPM/200 STEL
A
CGIH TLV:150 PPM/200STEL;9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:1,6-DIISOCYANATOHEXANE (HEXAMETHYLENE DIISOCYANATE)
CAS:822-06-0
RTECS #:MO1740000
Fraction by Wt: .05%
ACGIH TLV:0.005 PPM; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HOMOPOLYMER OF HDI
CAS:28182-81-2
RTECS #:NQ9170000
Fraction by Wt: 20-30%

Ingred Name:AROMATIC HYDROCARBON
CAS:64742-95-6
Fraction by Wt: 1.0-5.0%

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

Routes of Entry:

Inhalation: YES Skin: YES Ingestion: NO

Reports of Carcinogenicity: NTP: UNKNOWN IARC: YES

Health Hazards Acute and Chronic: RESPIRATORY SENSITIZ CHAR:

ASTHMAS-LIKE SYMPTOMS &/OR SKIN SENSITIZ CHAR: ALLERGIC DERMATITIS INCLUDE RASH, ITCH, HIVES, SWELLING OF EXTREME. PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE, LIVER AND KIDNEY DAMAGE. IF RESPIRATORY PROTECTION IS NOTUSED, THE PRODUCT MAY CAUSE LUNG INJURY.

Explanation of Carcinogenicity: IARC HAS LISTED SILICA AS A "PROBABLE HUMAN CARCINOGEN".

Effects of Overexposure: MAY CAUSE IRRITATION TO SKIN, EYES & RESPIRATORY TRACT (NOSE, THROAT & LUNGS) SYMPTOMS MAY BE EYES WATERING, DRYNESS OF THROAT, COUGHING, HEADACHE, TIGHTNESS IN CHEST OR BURNING SENSATION. HEADACHE, DIZZINESS OR NAUSEA MAY BE EXPERIENCED BY SOME AS A RESULT OF EXPOSURE TO SOLVENTS.

Medical Conditions Aggravated by Exposure: ASTHMA & OTHER RESPIRATORY AILMENTS, CHEMICAL SENSITIZATION.

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

First Aid:

INHALE: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP PERSON WARM/QUIET. NOTIFY PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF RUNNING WATER AT LEAST 15 MINUTES TO PHYSICIAN. SKIN: WASH AFFECTED AREAS WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN.

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

Flash Point Method: TCC

Flash Point: 60 F/15.56 C

Lower Limits: 1.0

Extinguishing Media: FOAM, CO2, DRY CHEMICAL.

Fire Fighting Procedures:

FULL PROTECTIVE EQUIPMENT W/SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN. IRRITANT AND HIGHLY TOXIC GASES & SMOKE ARE PRESENT FROM DECOMPOSITION/COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard: KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARK, OPEN FLAME, CONTAINER MAY EXPLODE FROM EXTREME HEAT/BURST WHEN CONTAMINATED W/WATER (CO2 EVOLVED). NEVER WELD, CUT, ETC.

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

Spill Release Procedures: EVACUATE NON-ESSENTIAL PERSONS. REMOVE

E ALL

SOURCES OF IGNITION. VENTILATE AREA. AVOID BREATHING VAPOR. COVER SPILL WITH INERT ABSORBENT. POUR LIQ DECONTAM OVER SPILL-ALLOW TO REACT 10 MINS; COLLECT, OPEN CON, ADD MORE DECONTAMINATE. REMOVE TO SAFE PLACE.

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

Handling and Storage Precautions: DO NOT STORE ABOVE 120 F OR BELOW 32 F. STORE LRG AMTS IN BLDG DESIGNED TO COMPLY W/OSHA. KEEP AWAY FROM SPARKS & OPEN FLAME. KEEP TIGHTLY CLOSED.

Other Precau

tions: KEEP AWAY FROM MOISTURE, IF ENTERS, PRESSURE CAN BUILD UP DUE TO REACTION PRODUCING CO₂ WHICH CAN CAUSE SEALED CONTAINER TO BE PRESSURIZED & BURST. DO NOT RESEAL IF CONTAM SUSPECTED. DO NOT TAKE INTERNALLY. GROUND CONTAINER WHEN POURING.

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

Respiratory Protection: SURGEON GENERAL REQUIRES AIRLINE RESPIRATORS UNLESS AIR SAMPLING SHOWS EXPOSURE TO BE BELOW OSHA LIMITS. THEN, EITHER CHEM CARTRIDGE RESPIRATOR/ AIRLINE RESPIRATORS, REQUIRED.

USE DURING MIXING OR ANY OPERATIONS WHERE PAINT FUMES PRESENT.

Ventilation: GENERAL OR LOCAL EXHAUST IN VOLUME/PATTERN TO KEEP AIR CONTAMINATE BELOW CURRENT APPLICABLE SAFETY & HEALTH REQUIREMENT

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: SAFETY EYEWEAR/SPLASH GUARDS/SIDE SHIELD

Other Protective Equipment: COVER AS MUCH EXPOSED SKIN AREA AS POSSIBLE WITH APPROPRIATE CLOTHING. USE SKIN CREAMS FOR PROTECTION ONLY TO A MINIMUM.

Work Hy

gienic Practices: WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN SMOKING AREAS ONLY.

Supplemental Safety and Health

AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES. USE ADEQUATE VENTILATION & RESPIRATORY EQUIPMENT. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE OR EXPLOSIVE VAPORS. FOLLOW ALL PRECAUTIONS IN THIS DATA SHEET UNTIL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED.

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

Boiling Pt: B.P. Text: 244-350 F

Va

por Pres:8.00

Vapor Density:> AIR

pH:NA

Evaporation Rate & Reference:EQUAL TO BUTYL ACETATE

Solubility in Water:REACTS WITH WATER

Appearance and Odor:OPAQUE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:51.21

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

Stability Indicator/Materials to Avoid:YES

WATER, ALCOHOL, GLYCOL ETHERS, AMINES.

Stability Condition to Avoid:WATER CONTAMINATION.

Hazardous Decomposition Products:CO₂, CO, OXIDES OF NITROGEN, TRACES OF
HYDROG

EN CYANIDE, HEXAMETHYLENE DIISOCYANTE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE &
FEDERAL ENVIR CONTROL REG. DECONTAM CONTAINER PRIOR TO DISPOSAL.

(DECONTAM SOLUTION:0-10% AMMONIUM HYDROXIDE2-5% DETERGENT & BALANCE
IS WATER OR SOLUTION OF UNION CARBIDE'S TERGITOL TMN-10(20%)
WATER (80%)

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