

HENTZEN COATINGS, INC. -- BLACK 37030 ZENTHANE MIL-C-53039A(ME) -- 8010-01-229-7541
===== Product Identification =====

Product ID:BLACK 37030 ZENTHANE MIL-C-53039A(ME)

MSDS Date:06/12/1989

FSC:8010

NIIN:01-229-7541

MSDS Number: BHNGK

=== 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, NIGHT (800)424-9300

Emergency Phone Num:414-353-4200, NIGHT (800)424-9300

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

CAS:110-12-3

RTECS #:MP3850000

Fraction by Wt: 30-40%

OSHA PEL:100 PPM

ACGIH TLV:50 PPM; 9293

Ingred Name:SILICA, CRYST

TALLINE - 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:AROMATIC HYDROCARBON (E.G. HI SOL 15)
CAS:64742-95-6
Fraction by Wt: 2.0-5.0%

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
ACGIH 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%

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
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 & NERV SYS DAMAGE, LIVER, KIDNEY DAMAGE. I F RESPIRATORY PROTECTION IS NOT USED MAYCAUSE LUNG INJURY.

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

Effects of Overexposure:CAN CAUSE IRRI TO SKIN, EYES, & RESPIRATORY TRACT (NOSE, THROAT, LUNGS), SYMPTOMMAY BE EYES WATERING, DRYNESS OF THROAT, COUGHING, HEADACHE, TIGHTNESS IN CHEST OR BURNING SENSATION. HEADACHE, DIZZ OR NAUSEA

MAY BE EXPERIENCED BY SOME AS A RESULT OF EXPOSURE TO SOLVENTS

Medical Cond Aggravated by Exposure:ASTHMA & OTHER RESPIRATORY AILMENTS, CHEMCIAL SEN-SITIZATION

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

First Aid:INHALE: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM/QUIET. NOTIFY PHYSIC-IAN. EYES: FLUSH IMMED W/LARGE AMOUNT OF RUNNING WATER AT LEAST 15 MIN. TAKE TO PHYSICIAN. SKIN: WASH AFFECTED AREAS W/S OAP & WATER. REMOVE CONTAM CLOTHING.CO

NSULT

PHYSICIAN. INGEST: CALL PHYSICIAN IMMED. MED CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: ASTHMA & OTHER RESPIRATORY AILMENTS; CHEMICAL SENSITIZATION

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===== 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 EQUIP W/SELF CONTAINED BREATH APPARATUS SHOULD BE WORN. IRRI ANDHIGHLY TOXIC GASES & SMOKE ARE PRESENT

FROM DECOMPOSITION/COMBUSTION PRODUCTS

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

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

Spill Release Procedures:EVACUATE NON-ESSENTIAL PERSONS. REMOVE ALL SOURCESOF IGNITION. VENTILATE AREA. AVOID BREATHING VAPORCOVER SPILL W/INERT ABSORBENT. POUR LIQ DECONTAM OVER SPILL-

ALLOW TO

REACT 10 MIN; COLLECT OPEN CON ADD MORE DECONTAM SOLUTION. 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 LG AMTS IN BLDG DESIGN TO COMPLY W/OSHA. KEEP AWAY FROM SPARKS & OPEN FLAME. KEEP TIGHTLY CLOSED.

Other Precautions:KEEP AWAY FROM MOISTURE, IF ENTERS, PRESSURE CAN BUILD UP DUE TO REACTION PRODUCING CO2 WHICH CAN CAUSE SEALED CONTAINER TO 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 CARTIDGE RESPIRATOR OR AIRLINE RESPIRARE REQUIRED. ALSO USE DURING MIXING OR ANY OPERATIONS WHERE PAINT FUMES PRESENT

Ventilation:GENERAL OR LOCAL EXHA

UST IN VOL/PATTERN KEEP AIR CONTAM BE-

LOW CURRENT APPLICABLE SAFETY & HEALTH REQUIREMENTS

Protective Gloves:CHEMICAL RESISTANT GLOVES

Eye Protection:SAFETY EYEWEAR/SPLASH GUARDS/SIDE SHIELD

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

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

Supplemental Safety and Health

AVOID FREE FALL OF LIQUID IN EXC

ESS OF A FEW INCHES. USE ADEQUATE

VENTILATION & RESPIRATORY EQUIPMENT. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE OR EX- PLOSIVE VAPORS. FOLLOW ALL PRECAUTIONS I N THIS DATA SHEET UNTIL CONTAINER ISTHOROUGHLY CLEANED OR DISTROYED.

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

HCC:F2

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

Vapor Pres:8.00

Vapor Density:> AIR

pH:NA

Evaporation Rate & Reference:EQUAL TO BUTYL ACETATE

Solubility in Water:REACTS WITH WATER

A

Appearance and Odor: OPAQUE LIQUID, SOLVENT ODOR
Percent Volatiles by Volume: 51.32

===== 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
HYDROGEN CYANIDE, HEXAMETHYLENE DIISOCYANATE

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

Waste Disposal Methods: DISP

USE IN ACCORDANCE W/LOCAL, STATE &

FEDERAL ENVIRONMENTAL CONTROL REG. DECONTAM CONTAINER PRIOR TO DISPOSAL.

(DECONTAM SOLUTION: 0-10% AMMONIUM HYDROXIDE 2-5% DETERGENT, &

BALANCE IS WATER; OR SOLUTION OF UNION CARBIDE'S TERGITOL

TMN-10 (20%) WATER (80%)

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