

HENTZEN COATINGS INC -- 383 GREEN ZENTHANE MIL-C-53039A -- 8010-01-229-9561

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Product Identification
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Product ID:383 GREEN ZENTHANE MIL-C-53039A

MSDS Date:03/11/1997

FSC:8010

NIIN:01-229-9561

Status Code:A

MSDS Number: CKMCH

=== Responsible Party ===

Company Name:HENTZEN COATINGS INC

Address:6937 WEST MILL ROAD

Box:18749

City:MILWAUKEE

State:WI

ZIP:53218

Country:US

Info Phone Num:414-353

-4200

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(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

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Composition/Information on Ingredients
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Ingred Name:SILICA

CAS:14808-60-7

RTECS #:VV7330000

Minimum % Wt:20.

Maxumum % Wt:60.

OSHA PEL:0.1 MG/M3

ACGIH TLV:0.1 MG/M3

Ingred Name:HEXAMETHYLENE DIISOCYANATE

MONOMER
CAS:822-06-0
RTECS #:MO1740000
= Wt:.36
OSHA PEL:0.005 PPM
ACGIH TLV:0.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
= Wt:2.11
OSHA PEL:100PPM
ACGIH TLV:100 PPM
ACGIH STEL:150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:HEXAMETHYLENE DIISOCYANATE HOMOPOLYMER
CAS:28182-81-2
RTECS #:NQ9170000
Minumum % Wt:20.
Maxumum % Wt:30.

Ingred Name:TRIVALENT CHROME (INSOLUABLE)
CAS:7440-47-3
RTECS #:GB4200000
= Wt:1.8
OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:COBALT COMPOUNDS (AS CO)
CAS:7440-48-4
RTECS #:GF8750000
= Wt:.48
OSHA PEL:0.05 MG/M3
ACGIH TLV:0.05 MG/M3

Ingred Name:VM & P NAPHTHA
CAS:8030-30-6
RTECS #:DE3030000
Minumum % Wt:1.
Maxumum % Wt:5.
OSHA PEL:300 PPM
ACGIH TLV:300PPM

Ingred Name:AROMATIC HYDROCARBONS
CAS:68476-53-9
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:CHROMIC OXIDE
CAS:1308-38-9
RTECS #:GB6475000
= Wt:7.48

Name: BUTYL ACETATE
CAS: 123-86-4
RTECS #: AF7350000
Minimum % Wt: 1.
Maximum % Wt: 5.
OSHA PEL: 150 PPM
ACGIH TLV: 150 PPM
ACGIH STEL: 200 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Ingredient Name: METHYL ISOAMYL KETONE
CAS: 110-12-3
RTECS #: MP3850000
Minimum % Wt: 20.
Maximum % Wt: 30.
OSHA PEL: 50 PPM
ACGIH TLV: 50 PPM

Ingredient Name: SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.
CAS: 64742-89-8
Minimum % Wt: 1.
Maximum % Wt: 5.

Ingredient Name: LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)
CAS: 64742-95-6
RTECS #: WF340000
0
Minimum % Wt: 1.
Maximum % Wt: 5.

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

Health Hazards Acute and Chronic: EYE: AEROSOLS AND VAPORS CAN IRRITATE
CAUSING TEARING, REDNESS, SWELLING ACCOMPANIED BY A STINGING AND/OR
FEELING LIKE THAT OF FINE DUST IN THE EYES. IF LEFT UNTREATED
CORNEAL DAMAGE CAN OCCUR AND IS SLOW TO HEAL. SKIN: ISOCYANATES
REACT WITH SKIN PROTEIN/MOISTURE. CAN CAUSE IRRITATION. SYMPTOMS OF
SKIN IRRITATION MAY BE
REDDENING, RASH, SWELLING,

SCALLING,BLISTERING.MAY DEVELOP SKIN

SENTIZATION.INHALATION:VAPORS/MISTS ABOVE THE RECOMMENDED EXPOSURE LIMITS CAN IRRITATE(BURNING SENSATION)THE MUCOUS MEMBRANES IN RESPIRATORY TRACT.INGESTION:CAN RESULT IN IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH,STOMACH TISSUE,DIGESTIVE TRACT.

Explanation of Carcinogenicity:THIS PRODUCT HAS NOT BEEN TESTED ON A WHOLE FOR CARCINOGENICITY. THIS PRODUCT CONTAINS CHROMIUM AND CHROMIUM COMPOUNDS, COBALT AND COBALT COMPOUNDS,

AND SILICA. ALL OF

WHICH HAVE BEEN DETERMINED TO BE CARCINOGENIC IN HUMANS AND ANIMAL BY THE IARC, NTP AND ACGIH.

Effects of Overexposure:REPEATED OR PROLONGED SKIN CONTACT WITH SOLVENTS CAN CAUSE DEFATTING OF THE SKIN WHICH CAN DEVELOP INTO DERMATITIS. OVER EXPOSURE TO SOLVENT VAPORS MAY CAUSE DRYNESS OF THE THROAT, TIGHTNESS OF THE CHEST, HEADACHE, NAUSEA, FATIGUE AND LOSS OF APPETITE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVER EXPOSURE TO SO

LVENTS WITH PERMANENT BRAIN AND

NERVOUS SYSTEM DAMAGE. LIVER AND KIDNEY DAMAGE. AS A RESULT OF PREVIOUS REPEATED OVEREXPOSURE OR A SINGLE LARGE DOSE, CERTAIN INDIVIDUALS WILL DEVELOP SENSITIZATION. REPORTED TO CAUSE LUNG DAMAGE. XYLENE-LOSS OF HEARING.

Medical Conditions Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY ILLNESSES; SKIN ALLERGIES AND ECZEMA; CHEMICAL SENSITIZATION.

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

First Aid:EYE:FLUSH IMMEDIATELY WITH LOW

PRESSURE LUKEWARM RUNNING WATER FOR AT

LEAST 15 MIN. WHILE LIFTING EYELIDS.SKIN:REMOVE CONTAMINATED CLOTHING IMMEDIATELY..WASH AFFECTED AREAS THOROUGHLY WITH SOAP/WATER.WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.FOR SEVERE EXPOSURES, GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING.FOR LESSER EXPOSURES. INHALATION:MOVE TO AN AREA FREE FROM RISK OF EXPOSURE.ADMINISTER OXYGEN/ARTIFICIAL RESPIRATION AS NEEDED.ASTHMATIC-TYPE SYMPTOMS MAY DEVELOP AND MAY BE IMMEDIATE/

DELAYED.CONSULT A PHYSICIAN.INGESTION:CALL A PHYSICIAN

IMMEDIATELY, DO NOT INDUCE VOMITING. IN ALL CASES CONTACT MEDICAL PHYSICIAN.

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===== 84 =====

Autoignition Temp:232.2C, 450.F

Autoignition Temp Text:450.00

Lower Limits:.90

Upper Limits:8.20

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM OR ALCOHOL FOAM.

Fire Fighting Procedures:FULL PROTECTIVE EQUIPMENT INCLUDING

SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

Un

usual Fire/Explosion Hazard:DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES AND SMOKE ARE PRESENT FROM THE DECOMPOSITION/COMBUSTION PRODUCTS. KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. DO NOT APPLY WATER TO HOT SURFACES.

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

Spill Release Procedures:EVAC. ALL NON-ESSENTIAL PERSONS.REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA.EQUIP CLEAN-UP CREW W/APPROPRIATE

PROTECTIVE EQUIP..PREVENT ENTRY INTO DRAINS,SEWERS,WATERWAYS.NOTIFY APPRO. AUTHORITIES.LET REACT FOR AT LEAST 10MIN..COLLECT IN OPEN CONT. AND ADD DECONTAMINATION SOLUTION.REMOVE CONTS. TO SAFE PLACE AND COVER LOOSELY.ALLOW TO STAND FOR 24-48HRS.. WASH AREA W/DECONTAMINATION SOLUTION.

Neutralizing Agent:CONCEN. AMMONIA(3-8%),DETER.(2%)AND WATER(90-95%)OR A SOLU. OF NIACT CORP'S TERGITOL TMN-10(20%) AND WATER(80%)

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

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Handling and Storage Precautions:KEEP CONTAINERS AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINERS TIGHTLY CLOSED AND PROTECT FROM MOISTURE CONTAMINATION. TO AVOID SPONTANIOUS COMBUSTION DURING TEMPORARY STORAGE, SOAK SOILED RAGS AND WASTE IMMEDIATELY AFTER USE IN A WATER-FILLED, CLOSED CONTAINER.

Other Precautions:USE GROUNDING AND BONDING CONNECTIONS WHEN TRANSFERRING MATERIAL TO PREVENT STATIC DISCHARGE, FIRE OR EXPLOSION. AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES. USE SPARK-PROOF TOOLS AND EXPLOSION PROOF EQUIPMENT.DO NOT STORE ABOVE 120F OR BELOW 32F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA.

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

Respiratory Protection:A FRESH AIR SUPPLIED RESPIRATOR SHOULD BE WORN DURING WELDING OR CUTTING. THE SERGON GENERAL REQUIRES AIRLINE RESPIRATORS TO BE USED UNLESS AIR SAMPLING SHOWS EXPOSURE TO BE BELOW OSHA LIMITS. THEN E

IGTHER AIR PURIFYING CHEMICAL CARTRIDGE

RESPIRATORS ARE REQUIRED.

Ventilation:LOCAL EXHAUST. EXHAUST VENTILATION.

Protective Gloves:PERMEATION RESISTANT

Eye Protection:EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS OR FULL FACE SHIELD

Other Protective Equipment:SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE OF THIS PRODUCT.

Supplemental Safety and Health

CONTACT LENSES SHOULD NOT BE WORN. MEDICAL SUPERVISION OF ALL EMPLOYEES

WHO HANDLE OR COME IN CONTACT WITH THIS PRODUCT IS RECOMMENDED.

THIS SHOULD INCLUDE PRE-EMPLOYMENT AND PERIODICAL MEDICAL EXAMINATIONS WITH RESPIRATORY FUNCTION TESTS (FEV, FVC AS A MINIMUM).

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

Appearance and Odor:OPAQUE LIQUID SOLVENT ODOR

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

Stability Indicator/Materials to Avoid:YES

WATER/MOISTURE,EPOXY CATALYSTS,ALCOHOLS,GLYCOL ETHERS,BASES,METAL

COMPLEXES,OR OTHER ACTIVE MATERIALS.

Stability Condition to Avoid:ONCE PRODUCT IS EXPOSED TO ANY MATERIALS LISTED BELOW (INCLUDE ATMOSPHERIC MOISTURE), DO NOT RESEAL CONTR AS HAZ CO2 GAS COULD BUILD UP IN CONTR RESULTING IN RAPID DEPRESSURIZATION.

Hazardous Decomposition Products:MAY PRODUCE HAZ FUMES WHEN HEATED TO DECOMP POINT(AS IN WELDING). FUMES MAY CONTAIN:CO2, CO, CHLORINE,HYDROGEN CHLORIDE & POSSIBLE CYANIDE, HEXAMETHYLENE DIISOCYANATE.

===== Toxicological Information =====

Toxicological Information:*CONT HEALTH HAZ CHRONIC:POSSIBLE PERMANENT BRAIN,NERVOUS SYSTEM,LUNG,LIVER&KIDNEY DAMAGE.CERTAIN PERSONS DEVELOP ISOCYANATE SENSITIZATION(CHEMICAL ASTHMA)CAUSING REACTIONS TO LATER EXPOSURE WELL