

HENTZEN COATINGS INC -- 04667AUX-3 -- 8010-01-465-9667

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Product Identification
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Product ID:04667AUX-3
MSDS Date:01/31/2000
FSC:8010
NIIN:01-465-9667
Status Code:A
MSDS Number: CKDLL
=== 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:414-353-4200
Res
p. Party Other MSDS Num.:36173 GREY ZENTHANE PLUS
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:CARBON BLACK
CAS:1333-86-4
RTECS #:FF5800000
= Wt:.35
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

Ingred Name:HEXAMETHYLENE DIISOCYANATE HOMOPOLYM

ER
CAS:28182-81-2
RTECS #:NQ9170000
Minumum % Wt:30.
Maxumum % Wt:40.
Other REC Limits:MFR'S TWA 0.5 MG/M3

Ingred Name:QUARTZ (SIO2), CRYSTALLINE SILICA
CAS:14808-60-7
RTECS #:VV7330000
Minumum % Wt:15.
Maxumum % Wt:20.
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Minumum % Wt:5.
Maxumum % Wt:10.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

Ingred Name:1,6-HEXAMETHYLENE DIISOCYANATE MONOMER
CAS:822-06-0
RTECS #:MO1740000
= Wt:.04
OSHA PEL:.005 P
PM
ACGIH TLV:0.034 MG/M3;.005 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL AMYL KETONE
CAS:110-43-0
RTECS #:MJ5075000
Minumum % Wt:20.
Maxumum % Wt:30.
OSHA PEL:465 MG/M3;100 PPM
ACGIH TLV:233 MG/M3;50 PPM

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: EYE- IRRITATION, MAY CAUSE
CORNEAL DAMAGE. SKIN- IR

IRRITATION, DEFATTING, SKIN SENSITIZATION IN SOME INDIVIDUALS. INGESTION: IRRITATION, POSSIBLE CORROSIVE ACTION TO GI TRACT, ASPIRATION HAZARD, MAY LEAD TO CHEMICAL PNEUMONITIS. CHRONIC: PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, LIVER AND KIDNEY DAMAGE, DERMATITIS. CERTAIN INDIVIDUALS WILL DEVELOP ISOCANATE SENSITIZATION (CHEMICAL ASTHMA).

Explanation of Carcinogenicity: THIS PRODUCT HAS NOT BEEN TESTED AS A WHOLE FOR CARCINOGENICITY. IARC HAS LISTED CRYSTALLINE SILICA AS

GROUP 1 CARCINOGENIC TO HUMANS. NTP CLASSIFIES RESPIRABLE SILICA AS CLASS 2. CARBON BLACK GP 2B (IARC).

Effects of Overexposure: EYE: IRRITATION, REDNESS, BLURRED VISION. SYMPTOMS OF SKIN IRRITATION MAY INCLUDE REDDENING, RASH SWELLING, SCALING OR BLISTERING, DEFATTING, EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, LIVER AND KIDNEY DAMAGE. ISOCANATE SENSITIZATION (CHEMICAL ASTHMA), SYMPTOMS COULD BE IMMEDIATE OR DELAYED UP TO SEVERAL HOURS AFTER

EXPOSURE AND

COULD INCLUDE CHEST TIGHTNESS, WHEEZING, COUGH OR ASTHMATIC ATTACK. INGESTION: ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA.

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

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

First Aid: EYES: FLUSH IMMEDIATELY WITH LOW PRESSURE LUKEWARM RUNNING WATER FOR AT LEAST 15 MINUTES WHILE LIFTING EYELIDS. GET MEDICAL HELP. SKIN

CONTACT: REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE. FOR SEVERE EXPOSURE, GET UNDER SAFETY SHOWER AFTER REMOVING CLOTHING, THEN GET MEDICAL ATTENTION. FOR LESSER EXPOSURES, SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

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

Flash Point Method: TCC
Flash Point: =38.9C, 102.F
Lower Limits: 1.1
Exting

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

Fire Fighting Procedures:FULL PROTECTIVE EQUIPEMTN INCLUDING

SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN. DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES (SEE REACTIVITY DATA) AND SMOKE ARE PRESENT FROM THE DECOMPOSIT ION/COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard:CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR BURST WHEN CONTAMINATED WITH WATER (CARBON DIOXIDE RELEASED). DO NOT APP

LY TO HOT SURFACES. NEVER USE WELDING

OR CUTTING TORCH ON OR NEAR PRODUCT CONTAINER (EVEN EMPTY) BECAUSE PRODUCT (EVEN RESIDUE) CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL AND REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, ELECTRICAL, STATIC AND FRICTIONAL SPARKS). VENTILATE AREA,EQUIP CLEAN UP CREW WITH APPROPRIATE PROTECTIV E EQUIPMENT. AVOID BREATHING V APORS.

AVOID SKIN CONTACT. PREVENT ENTRY INTO DRAINS, SEWERS AND WATERWAYS. NOTIFY APPROPRIATE AUTHORITIES IF NECESSARY.

Neutralizing Agent:AMMONIA SOLUTION (3-8%), DETERGENT (2%) & WATER (90-95%) OR A SOLUTION OF UNION CARBIDE'S TERGITOL TMN-10 (20%).

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

Handling and Storage Precautions:PRECAUTION MUST BE TAKEN SO THAT PERSONS HANDLING THIS PRODUCT DO NOT BREATHE THE VAPORS OR HAVE IT CONTACT THE EYES OR SKIN

. IN SPRAY OPERATIONS, PROTECTION MUST BE

AFFORDED AGAINST EXPOSURE TO BOTH VAPOR AND SPRAY MIST.

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

Respiratory Protection:THE SURGEON GENERAL REQUIRES AIRLINE RESPIRATORS TO BE USED UNLESS AIR SAMPLING SHOWS EXPOSURE TO BE BELOW OSHA LIMITS. THEN EITHER AIR-PURIFYING CHEMICAL CARTRIDGE RESPIRATORS OR AIRLINE RESPIRATORS ARE REQUIRED. AIR SAMPLING SHOULD BE DONE TO MEASURE A AIRBORNE CONCENTRATIONS OF MONOME

R & POLYMER HDI & ORGANIC SOLVENTS.

Ventilation:DURING THE SPRAY APPLICATION OF THESE COATIONGS, THE USE OF A SUPPLIED-AIR RESPIRATOR (EITHER POSITIVE PRESSURE OR CONTINUOUS FLOW TYPE) IS MANDATORY

Protective Gloves:PERMEATION RESISTANT GLOVES.

Eye Protection:USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS

Other Protective Equipment:A FULL FACE SHIELD MAY BE APPROPRIATE.

CONTACT LENSES SHOULD NOT BE WORN. IF SKIN CREAMS ARE USED, KEEP THE AREA PROTECTED ONLY BY THE CREA

M TO A MINIMUM.

Work Hygienic Practices:SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE OF THE PRODUCT.

Supplemental Safety and Health

MEDICAL SUPERVISION OF ALL EMPLOYEES WHO HANDLE OR COME IN CONTACT WITH THIS PRODUCT IS RECOMMENDED. THIS SHOULD INCLUDE PRE-EMPLOYMENT AND PERIODIC MEDICAL EXAMINATIONS WITH RESPIRATORY FUNCTION TESTS (FEV₁,FVC AS A MINIMUM). PERSONS WITH ASTHMA-TYPE CONDITIONS, BRONCHITIS, OTHER CHRONIC RESPIRATORY DISEASES

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

HCC:F4

Boiling Pt:B.P. Text:295.0F-305.0F

Vapor Pres:2.14

Vapor Density:3.94

Spec Gravity:1.217

VOC Pounds/Gallon:360

VOC Grams/Liter:3.

Evaporation Rate & Reference:.400 (N-BUTYL ACETATE=1)

Solubility in Water:REACTS WITH WATER

Appearance and Odor:OPAQUE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:20-30

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

Stability Indicator

Materials to Avoid:YES

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

Hazardous Decomposition Products:MAY PRODUCE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITION AS IN WELDING. FUMES MAY CONTAIN THE FOLLOWING CARBON MONOXIDE, CARBON DIOXIDE, CHLORINE, HYDROGEN CHLORIDE AND POSSIBLE CYANIDE, & HDI.

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

Waste Disposal Methods:RECYCLE, FUEL BLEND

OR INCINERATE. DISPOSE OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS. IT IS THE RESPONSIBILITY OF THE OWNER OF THE WASTE TO DISPOSE OF IT PROPERLY. LABORATORY ANALYSIS IS RECOMMENDED TO PROFILE THE WASTE FOR PROPER DISPOSAL DETERMINATION.

===== MSDS Transport Information =====

Transport Information:PSN: PAINT,3,UN1263,III. LABEL: FLAMMABLE LIQUID.

===== Regulatory Information =====

SARA Title III Inform

ation:HEXAMETHYLENE DIISOCYANATE MONOMER (CAS 822-06-0) (% BY WT= 0.045) IS SUBJECT TO THE REPORTING REQUIREMENT OF SEC 313 (40 CFR 372).

Federal Regulatory Information:THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

===== Other Information =====

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