

HENTZEN COATINGS, INC -- MIL-P-53022B, TYPE I CATALYST, PART B -- 8010-01-193-0517  
===== Product Identification =====

Product ID:MIL-P-53022B, TYPE I CATALYST, PART B

MSDS Date:12/02/1993

FSC:8010

NIIN:01-193-0517

Kit Part:Y

MSDS Number: BTGJH

=== Responsible Party ===

Company Name:HENTZEN COATINGS, INC

Address:6937 W MILL ROAD

City:MILWAUKEE

State:WI

ZIP:53218

Country:US

Info Phone Num:414-353-4

200

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:1-METHOXY-2-PROPANOL SOLVENT

CAS:107-98-2

RTECS #:UB7700000

Fraction by Wt: 26.770%

Other REC Limits:NONE RECOMME

OSHA PEL:100 PPM;STEL 1

50 PPM  
ACGIH TLV:100 PPM;STEL 150 PPM

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 2.608%  
Other REC Limits:SKIN NOTATIO  
OSHA PEL:100 PPM  
ACGIH TLV:50 PM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:BUTYL ALCOHOL SOLVENT (SARA III)  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 15.542%  
Other REC Limits:NONE RECOMME  
OSHA PEL:50 PPM (CEILING)  
ACGIH TLV:50 PPM (CEILING)  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:EPOXY RESIN  
Fraction by Wt: 20-3  
0%  
Other REC Limits:NONE RECOMME

Ingred Name:METHYL ISOBUTYL KETONE SOLVENT (SARA III)  
CAS:108-10-1  
RTECS #:SA9275000  
Fraction by Wt: 6.153%  
Other REC Limits:NONE RECOMME  
OSHA PEL:50 PPM; STEL 75 PPM  
ACGIH TLV:50 PPM; STEL 75 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE SOLVENT (2-BUTANONE) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 18.407%  
Other REC Limits:NONE RECOMME  
OSHA PEL:200 PPM;STEL 300 PPM  
ACGIH TLV:200 PPM;STEL 300 PPM  
EPA Rpt Qty:5000

LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 5.371%  
Other REC Limits:NONE RECOMME  
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: 5.681 LBS/GAL; 680.754 GRAMS/LITER  
RTECS #:9999999VO  
Other REC Limits:NONE RECOMME

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

Health Hazards Acute and Chronic:INHALATION: ANESTHETIC. RESPIRATORY  
TRACT IRRITATION, ACUTE NERVOUS SYSTEM DEPRESSION (HEADACHE,  
DIZZINESS, STAGGERING, CONFUSION, COMA). SKIN OR EYE: IRRITATION.  
CHRONIC OVEREXPOSURE: REPEATED OR PRO LONGED OVEREXPOSURE WITH  
PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE, LIVER, KIDNEY DAMAGE.  
Medical Cond Aggravated by Exposure:ASTHMA AND OTHER RESPIRATORY  
AILMENTS; CHEMICAL SENSITIZATION.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM AND QUIET. NOTIFY PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH  
LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. TAKE TO A  
PHYSICIAN FOR MEDICAL TREATMENT. SKIN: WASH AFFECTEDAREAS WITH  
SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN.  
INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:21.0F,-6.1C  
Autoignition Temp:Autoignition Temp Te

xt:650 F

Lower Limits:1.1

Upper Limits:36.5

Extinguishing Media:FOAM, DRY CHEMICAL, CO2

Fire Fighting Procedures:WEAR PROTECT EQUIP INCLUDING SCBA. WATER MAY BE INEFFECTIVE, USE WATER (FOG NOZZLES PREFERRED) COOL CLOSED CNTNR TO PREVENT PRESSURE BLDUP,AUTOIGNITN,EXPLOSION.

Unusual Fire/Explosion Hazard:KEEP CONTAINER TIGHTLY CLOSED. KEEP FROM HEAT/IGNIT SOURCE. CLOSED CNTNR MAY EXPLODE W/HEAT. DON'T APPLY TO HOT SRFCs. NEVER USE WELD/CUT TORCH ON/NEAR DRUM.

===== A  
ccidental Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, ELECTRICAL, STATIC OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN & REMOVE WITH INERT ABSORBENT AND NONSPARKING TOOLS.

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

Handling and Storage Precautions:DON'T STORE ABOVE 120F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWA

Y FROM SPARKS AND OPEN FLAME. DON'T INGEST.

Other Precautions:GROUND CONTAINERS WHEN POURING. AVOID LIQUID FREE FALL >FEW INCHES. USE W/VENT & RESP EQUIP. AVOID PROLONGED VAPOR BREATHING. AVOID PROLONGED/REPEATED SKIN CONTACT. EMPTIED CNTNR RETAIN HZD RESIDUE/EX PLOSIVE VAPOR. OBEY ALL HZD PRECAUTIONS.

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

Respiratory Protection:WEAR SPRAYED IN OUTDOOR OR DURING SANDING/GRINDING:USE NIOSH MECHAN FILTER RSPRTR (RMV SOLID

PARTICLES). RESTRICTED AREA: NIOSH CHEM/MECHAN FILTER. CONFINED AREA: NIOSH AIR SUPPLIED RSPRTR/HOOD. USE NIOSH RSPRTR WHEN CUT/WELD HAZING TORCH

Ventilation:GENRL DILUTN/LOCAL EXHAUST VENT TO KEEP BELOW PEL/TLV WHILE MIXING,APPLICATION,CURING,REMOVE DECOMP FROM WELD/FLAME CUT.

Protective Gloves:REQ'D FOR PROLONGED OR REPEATED CONTACT

Eye Protection:SAFETY EYEWEAR W/SPLASH GUARDS/SIDE SHLD

Other Protective Equipment:USE PROTECTIVE SKIN CREAM WHERE CONTACT IS LIKELY. P

REVENT PROLONGED SKIN CONTACT WITH CONTAMINATED CLOTHING.  
Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH  
HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY.  
Supplemental Safety and Health

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

Boiling Pt:B.P. Text:170 TO 290F  
Decomp Temp:Decomp Text:400F,204C  
Vapor Pres:74.00 @68F  
Vapor Density:> AIR  
Spec Gravity:0.90  
Viscosity:.\*  
Evaporation Rate & Reference:FASTER THAN BUTYL ACETATE  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR LIQUID, SOLVENT ODOR  
Percent Volatiles by Volume:80.19

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS  
Hazardous Decomposition Products:MAY PRODUCE HAZARDOUS FUMES WHEN  
HEATED TO DECOMPOSITION AS IN WELDING. MAY CONTAIN CARBON MONOXIDE  
& CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF  
IN ACCORDANCE WITH LOCAL, STATE ABOVE  
120F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH  
OSHA 1910.106. KEEP AWAY FROM SPARKS AND OPEN FLAME. EPA HAZARDOUS  
WASTE NUMBER/CODE: D001, IGNITABLE. DISPOSAL METHODS:  
INCINERATION.

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