

HENTZEN COATINGS, INC -- PAINT, HEAT RESISTING BLACK 37030 P/N02308K -- 8010-01-235-4166  
===== Product Identification =====

Product ID:PAINT, HEAT RESISTING BLACK 37030 P/N02308K

MSDS Date:04/20/1993

FSC:8010

NIIN:01-235-4166

MSDS Number: BRKLM

=== 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-

4200

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:MICA (PIGMENT)

CAS:12001-26-2

RTECS #:VV8760000

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:20 MPPCF

ACGIH TLV:3 MG/M

3 RDUST; 9293

Ingred Name:SILICEOUS EXTENDER (PIGMENT) (NUISANCE DUST)

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:TALC (PIGMENT)

CAS:14807-96-6

RTECS #:WW2710000

Fraction by Wt: 5-10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3

Ingred Name:BUTYL ALCOHOL (SOLVENT) (SKIN NOTATION)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 3.970%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA

Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SILICONE RESIN

Fraction by Wt: 20-30%

Other REC Limits:NONE SPECIFIED

Ingred Name:ISOBUTYL ALCOHOL (SOLVENT) (SARA III)

CAS:78-83-1

RTECS #:NP9625000

Fraction by Wt: 1.184%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:BARIUM COMPOUNDS (NUISANCE DUST)

Fraction by Wt: 1.947%

Other REC Limits:NONE SPECIFIED

Ingred Name:COPPER COMPOUND (SARA III)

CAS:7440-50-8

RTECS

#:GL5325000  
Fraction by Wt: 2.089%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1 MG/M3  
ACGIH TLV:0.1 MG/M3  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:NICKEL COMPOUNDS (INSOLUBLE COMPOUNDS) (SARA III)  
CAS:7440-02-0  
RTECS #:QR5950000  
Fraction by Wt: 0.648%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3

Ingred Name:FRITS  
Fraction by Wt: 15-20%  
Other REC Limits:NONE SPECIFIED

Ingred Name:MANGANESE COMPOUND (SARA III)  
CAS:7439-96-5  
RTECS #:OO9275000  
Fraction by Wt: 3.  
039%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:(C) 5 MG/M3 DUST  
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:ETHYL BENZENE (SOLVENT) (SARA III)  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 2.568%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/STEL 125 PPM  
ACGIH TLV:100 PPM/STEL 125 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE (SARA III) (SOLVENT)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 17.540%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/STEL 150 PPM  
ACGIH TLV:10

0 PPM/STEL 150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SOLVENT) (SARA III)  
CAS:95-63-6  
RTECS #:DC3325000  
Fraction by Wt: 1.080%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM

Ingred Name:AROMATIC HYDROCARBON (MIXTURE OF C8'S TO C10'S)  
CAS:64742-95-6  
Fraction by Wt: 2.126%  
Other REC Limits:MFR'S LIMIT: 100 PPM

Ingred Name:VOC: 3.496 LBS/GAL; 418.594 GRAMS/LITER  
RTECS #:9999999VO  
Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:YES IARC:YES  
Health Hazards Acute and Chronic:ACUTE; INHALATION: ANESTHETIC.  
RESPIRATORY TRACT IRRITATION, ACUTE NERVOUS SYSTEM DEPRESSION  
(HEADACHE, DIZZINESS, STAGGERING, CONFUSION, COMA). SKIN OR EYE  
CONTACT: IRRITATION.

Explanation of Carcinogenicity:NICKEL COMPOUND NOT SPECIFICALLY  
IDENTIFIED, BUT NTP & IARC LISTED NICKEL COMPOUNDS AS PROBABLY  
CARCINOGENIC (HUMAN).

Effects of Overexposure:C  
CHRONIC: REPEATED & PROLONGED OCCUPATIONAL  
OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM  
DAMAGE, LIVER, & KIDNEY DAMAGE.

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

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM & QUIET. NOTIFY PHYSICIAN. EYES: FLUSH IMMEDIATELY WITH  
RUNNING WATER FOR AT LEAST 15 MIN, LIFTING E

YELIDS. TAKE TO

PHYSICIAN. SKIN: WASH AFFECTED AREAS WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. WASH BEFORE REUSE. CONSULT PHYSICIAN. INGESTION: CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:79.0F,26.1C

Lower Limits:0.9

Upper Limits:11.2

Extinguishing Media:FOAM, ALCOHOL FOAM, CO2

Fire Fighting Procedures:FULL PROTECTIVE EQUIP W/SCBA. WATER MAY BE INEFFECTIVE,

USE (PREFER FOG NOZZLES)TO COOL CLOSED CNTNRS TO PREVENT PRESSR BLDP, AUTOIGNITN, EXPLOSION W/HEAT.

Unusual Fire/Explosion Hazard:KEEP CNTNR CLSD.KEEP FROM HEAT/IGNIT SOURCE.CLSD CNTNR MAY EXPLODE W/HEAT,BURST W/WATER CONTAMINATN. DONT APPLY TO HOT SRFC.S. NEVER CUT,WELD NEAR DRUM-EXPLOSIVE.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENT AREA. CONTAIN & REMOVE WITH INERT ABSORBENT AND NON SPARKING TOOLS.

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

Handling and Storage Precautions:DO NOT STORE ABOVE 120F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP FROM SPARKS & OPEN FLAME. DONT INGEST.

Other Precautions:GROUND CONTAINERS WHEN POURING. AVOID FREE FALL OF LIQUID > FEW INCHES. USE ADEQUATE VENT & RESP EQUIP. AVOID PROLONGED BRETAHING. AVOID PROLONGED/REPEATED SKIN CONTACT. EMPTIED CN TNR RETAIN HZD RESID UE, FOLLOW PRECAUTIONS IN MSDS.

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

Respiratory Protection:SPRAYING OUTDOORS/OPEN OR SAND/GRIND OPERATIONS USE NIOSH MECHAN FILTER RSPRTR (RMV SOLID PARTIC). RESTRICTED VENT, WEAR NIOSH CHEM/MECHAN FILTER (RMV PARTIC,VAPOR,GAS). CONFIND AREA,NIOSH AIR SUPPLD RSPRTR/HOOD.NIOSH RSPRTR WHEN CUT,WELD.

Ventilation:GENERAL DILUTION/LOCAL EXHAUST TO KEEP BELOW PEL/TLV DURING MIXING, APPLICATION, CURI

NG & REMOVE DECOMP PROD (WELD,CUT).

Protective Gloves:REQUIRED FOR PROLONGED/REPEATED CONTACT

Eye Protection:SAFETY EYEWEAR W/SPLASH GUARD & SIDESHLD

Other Protective Equipment:USE PROTECTIVE SKIN CREAM WHERE CONTACT LIKELY. PREVENT PROLONGED SKIN CONTACT W/CONTAM CLOTHING. WASH BEFORE REUSE.

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

Supplemental Safety and Health

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

Boiling Pt:B.P. Text:220 TO 418F

Vapor Pres:9.00

Vapor Density:> AIR

Spec Gravity:1.44

Viscosity:65-70 KU

Evaporation Rate & Reference:SLOWER THAN BUTYL ACETATE

Solubility in Water:NEGLIGIBLE

Appearance and Odor:OPAQUE LIQUID, SOLVENT ODOR

Percent Volatiles by Volume:48.84

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Hazardous Decomposition Products:MAY PRODUCE HAZARDOUS FUMES WHEN HEATED TO DECOMPOSITIO

N AS IN WELDING. FUMES MAY CONTAIN CO, CO2.

Conditions to Avoid Polymerization:SEE ABOVE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN AN APPROVED FACILITY.

===== Disclaimer (provided with this information by the compiling agencies):

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