

MATERIAL SAFETY DATA SHEET

71092  
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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	71092	HMIS CODES	
		Health	2*
		Flammability	2
		Reactivity	0
PRODUCT NAME	MINWAX* High Build Polyurethane, Satin		
MANUFACTURER'S NAME	MINWAX Company	EMERGENCY TELEPHONE NO.	(216) 566-2917
	10 Mountainview Road		
	Upper Saddle River, NJ 07458		
DATE OF PREPARATION	08-MAY-06	INFORMATION TELEPHONE NO.	(800) 523-9299

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
22	64742-88-7	Mineral Spirits		
		ACGIH TLV	100 ppm	2 mm
		OSHA PEL	100 ppm	
10	64741-65-7	Mineral Spirits (Odorless)		
		ACGIH TLV	100 ppm	1 mm
		OSHA PEL	100 ppm	
12	98-56-6	p-Chlorobenzotrifluoride		
		ACGIH TLV	Not Available	5.3 mm
		OSHA PEL	Not Available	
0.1	61789-51-3	Cobalt Naphthenate		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 -- FIRST AID MEASURES  
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EYES: Flush eyes with large amounts of water for 15 minutes.  
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.  
Keep warm and quiet.

INGESTION: Do not induce vomiting.  
Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES  
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FLASH POINT  
101 F PMCC

	LEL	UEL
	0.9	10.5

FLAMMABILITY CLASSIFICATION  
Combustible, Flash above 99 and below 200 F

EXTINGUISHING MEDIA  
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS  
Closed containers may explode when exposed to extreme heat.  
Application to hot surfaces requires special precautions.  
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES  
Full protective equipment including self-contained breathing apparatus should be used.  
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
Remove all sources of ignition. Ventilate the area.  
Remove with inert absorbent.

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Section 7 -- HANDLING AND STORAGE  
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STORAGE CATEGORY  
DOL Storage Class II

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame.  
Consult NFPA Code. Use approved Bonding and Grounding procedures.  
Keep container closed when not in use. Transfer only to approved  
containers with complete and appropriate labeling. Do not take internally.  
Keep out of the reach of children.

To minimize the possibility of spontaneous combustion: control the  
accumulation of overspray; soak wiping rags and waste immediately after use  
in a water-filled, closed metal container; air dry filters outside, far  
from any combustible material and separated by bricks or other  
non-combustible spacers; dispose of all contaminated materials and waste  
properly. Consult OSHA 29 CFR 1910.107(b) (5) and NFPA 33, Chapter 8 (8-9)  
for the proper procedures.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.  
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.  
Wash hands after using.

This coating may contain materials classified as nuisance particulates  
(listed "as Dust" in Section 2) which may be present at hazardous levels  
only during sanding or abrading of the dried film. If no specific dusts  
are listed in Section 2, the applicable limits for nuisance dusts are ACGIH  
TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup>  
(total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate  
dust or fumes that contain lead. Exposure to lead dust or fumes may cause  
brain damage or other adverse health effects, especially in children or  
pregnant women. Controlling exposure to lead or other hazardous substances  
requires the use of proper protective equipment, such as a properly fitted  
respirator (NIOSH approved) and proper containment and cleanup. For more  
information, call the National Lead Information Center at 1-800-424-LEAD  
(in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to  
materials in Section 2 is maintained below applicable exposure limits.  
Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by  
ventilation, wear a properly fitted organic vapor/particulate respirator  
approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator,  
approved by NIOSH/MSHA for dust which may be generated from this product,  
underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection  
against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the  
contents can be harmful or fatal.

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 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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PRODUCT WEIGHT 8.01 lb/gal 959 g/l  
 SPECIFIC GRAVITY 0.96  
 BOILING POINT 282 - 412 F 138 - 211 C  
 MELTING POINT Not Available  
 VOLATILE VOLUME 48 %  
 EVAPORATION RATE Slower than ether  
 VAPOR DENSITY Heavier than air  
 SOLUBILITY IN WATER N.A.  
 VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)  
 2.83 lb/gal 339 g/l Less Water and Federally Exempt Solvents  
 2.59 lb/gal 311 g/l Emitted VOC

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 Section 10 -- STABILITY AND REACTIVITY  
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STABILITY -- Stable  
 CONDITIONS TO AVOID  
 None known.  
 INCOMPATIBILITY  
 None known.  
 HAZARDOUS DECOMPOSITION PRODUCTS  
 By fire: Carbon Dioxide, Carbon Monoxide  
 HAZARDOUS POLYMERIZATION  
 Will not occur

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 Section 11 -- TOXICOLOGICAL INFORMATION  
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## CHRONIC HEALTH HAZARDS

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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 TOXICOLOGY DATA

CAS No.	Ingredient Name				
64742-88-7	Mineral Spirits	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
64741-65-7	Mineral Spirits (Odorless)	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
98-56-6	p-Chlorobenzotrifluoride	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
61789-51-3	Cobalt Naphthenate	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

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 Section 12 -- ECOLOGICAL INFORMATION  
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## ECOTOXICOLOGICAL INFORMATION

No data available.

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 Section 13 -- DISPOSAL CONSIDERATIONS  
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## WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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 Section 14 -- TRANSPORT INFORMATION  
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No data available.

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 Section 15 -- REGULATORY INFORMATION  
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## SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Cobalt Compound	0.1	

## CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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 Section 16 -- OTHER INFORMATION  
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This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.