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MATERIAL SAFETY DATA SHEET

71028

01 00

Section 1 -- PRODOCT AND COMPANY IDENTIFICATION

ERDDUCI NUMBER HMIS CODES

~ealth 2

71028 Flammability 2

Reactivity 0

PRODUCT NAME

MINWAX~ Fast-Drying Polyurethane Clear Satin

MANUFAC!URER'S NAME &M~RG~NC~ I~LieHONE NO.

MINWAX Company (216) 566-2917

10 Mountainview Ro~d

opper Saddle River, NJ 07458

DAT~ OF PREPARATION INFORMATION TELEPHON~ NO.

10-FEB-C4 (800) 523-9299

Section 2 -- COMPOSIIION/INFORMAIION ON INGREDIENIS

\ by WI CAS No. INGREDIENI UNITS VAEOR PRESSURE

45 64742-B8-7 Mineral Spirits

ACGIH TLV 10C pp~, 2 rom

OSHA Pill 100 ppm

3 64741-65-7 Mineral Spirit~ (Odorle~~)

AC~IH !I.V 100 ppm 1 IIm

OSHA PEL 100 pp~.

3 112926-00-8 AmorphOUs precipitated Silica

ACGIH TLV 10 mq/m3 as Dust

OSHA EEL 6 mg/m3 GS Dust

S.ction 3 -- HAZARDS ID~NIIfICAIION

ROOTES OF EXPOSORE

INHALATION of vapor or spray mist.

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

EFFEcrS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory systero..

May cause nervous system depression. Extreme overexposure may result in uncon~ciou~ne~~ and po~~ibly death.

SI~NS AND SYMPIOMS or OVEREXPOSURE

Headache, di~~i~e~~, ~au~ea, and lo~~ of ccordi~~ticn are indicaticn~ of excessive exposure to vapors or spray mists.

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

MEDICAL CONDI~IONS AGGRAVATED 6Y EX~OSURi

Non. generGlly r.coqnized.

CANCiR INFORMAI ION

For complete discussio~ of toxicology data refer to Section 11.

Continued on page 2

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PRODUCT NAME

MINWAX~ Fast-Drying Polyurethane Clear Satin

MANUFACTURER'S NAME &MERGENCE TELEPHONE NO.

MINWAX Company (216) 566-2917

10 Mountainview Road

Upper Saddle River, NJ 07458

DATE OF PREPARATION INFORMATION TELEPHONE NO.

10-FEB-04 (800) 523-9299

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

~ by WI CAS No. INGREDIENT UNITS VAPOR PRESSURE

45 64742-B8-7 Mineral Spirits

ACGIH TLV 100 ppm, 2 rnm

OSHA PEL 100 ppm

3 64741-65-7 Mineral Spirit (Odorless)

ACGIH TLV 100 ppm 1 IIm

OSHA PEL 100 ppm.

3 112926-00-8 Amorphous precipitated Silica

ACGIH TLV 10 mg/m3 as Dust

OSHA PEL 6 mg/rn3 GS Dust

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 or OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indicative 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.

Continued on page 2

Section 4 -- FIRST AID MEASURES

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.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT
112 F FMCC
LEL
1.0
UEL
7.0

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.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY
DOL Storage Class II
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.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

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/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (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.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	7.54 lb/gal	903 g/l
SPECIFIC GRAVITY	0.91	
BOILING POINT	300 - 412 F	148 - 211 C
MELTING POINT	Not Available	
VOLATILE VOLUME	58 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)		
3.71 lb/gal	445 g/l	Less Water and Federally Exempt Solvents
3.71 lb/gal	445 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

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
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
112926-00-8	Amorphous Precipitated Silica	LC50	RAT	4HR	Not Available
		LD50	RAT		4999 mg/kg

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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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