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INFORMATION TELEPHONE NO. (216) 566-2902

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DATE OF PREPARATION
1 - APR - 91

Wood Stains and Lacquers PS-175

WOOD

CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACAH TLV <STEEL>	OSHA PEL <STEEL>	UNITS V.P.	Oil Stain	PROMAR® Hi-Bild Lacquer	PROMAR® Water White Lacquer	PROMAR® Hi-Bild Lacquer Sealer	PROMAR®E-Z Sanding Lacquer Sealer	PROMAR® Lacquer Undercoater
						B44 C T6 Gloss	B44 V T4 Sanding Sealer	B44 F T4	B44 F T8	B44 W T1 White
407-21-1 § Ethylene Glycol		C 50	C 50	PPM	0.1	<5% may be added in tinting				
4242-89-8 Lt. Aliphatic HC Solvent		100	100	PPM	53.0			21	16	12
4242-47-8 Mineral Spirits		100	100	PPM	2.0	73 - 78				
4242-88-7 Mineral Spirits, 140-flash		100	100	PPM	0.5					
108-88-3 § Toluene		100	100	PPM	2.0	3	21 - 22	25 - 26	15	8
100-41-4 § Ethylbenzene		<150>	<150>	PPM			1			
1330-20-7 § Xyloene		100	100	PPM	7.1					
67-55-1 § Methanol		<150>	<150>	PPM	5.9		10	12 - 22		
67-63-0 § 2-Propanol		200	200	PPM (SKIN)	92.0				4	4
78-63-1 2-Methyl-1-propanol		50	50	PPM	8.7		7		7	11
67-64-1 § Acetone		750	750	PPM	180.0				4	
78-93-3 § Methyl Ethyl Ketone		200	200	PPM	70.0			8 - 12	2	5
110-43-0 Methyl n-Amyl Ketone		50	100	PPM	12.5			0 - 9		
110-18-0 Isobutyl Acetate		150	150	PPM	12.5		21	13 - 17	13	16
108-65-6 1-Methoxy-2-propanol Acetate		Not Established	1.8					1 - 2		20
4007-86-6 Talc		2	2	Mg/M3 as Dust (Resp. Fraction)						10
3463-67-7 Titanium Dioxide		10	10(5)	Mg/M3 as Dust (Resp. Fraction)		6.76 - 7.12	7.63 - 7.66	7.48 - 7.51	7.29	7.40
Volatile Organic Compounds (VOC), lbs./gal.						5.42 - 5.75	5.58 - 5.60	5.88 - 6.03	5.32	5.65
Flash Point (°F) / DOL Storage Category						95 / 1C	37 / 1B	80 / 1C	37 / 1B	25 / 1B
§ Ingredient subject to reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C										21 / 1C

Varnish Stains and Lacquers

OOD

Section III — PHYSICAL DATA

PRODUCT WEIGHT	see Table
SPECIFIC GRAVITY	0.91-1.10
BOILING RANGE	132-348 F
VOLATILE VOLUME	75-90 4

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION	FLASH POINT	21-95 F	PMEC	LEL	1.0	UEL	6.7
RED LABEL - Flammable. Flash below 100 F							
EXTINGUISHING MEDIA							
Carbon Dioxide, Dry Chemical, Foam							
UNUSUAL FIRE AND EXPLOSION HAZARDS							
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. 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 V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression.

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

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

If IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Ethyleneglycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY

— Stable

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

— Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

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, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust). 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II 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 II. 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 II.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY — see Table

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

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.

OTHER PRECAUTIONS

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

This Material Safety Data Sheet conforms to the Hazard Communication standard.

29 CFR 1910.1200 (G)(4). For similar complex mixtures, 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.