

MATERIAL SAFETY DATA SHEET



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DATE OF PREPARATION 6 - JAN - 97

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Polyester Primer Surfacer and 2.8 Sealer

POLY

— SECTION II —		ACGIH	OSHA		Vapor	21	28	MEKP
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	TLV <STEL>	PEL <STEL>	Units	Pressure (mm Hg)	ULTRA-FILL II® Polyester Primer Surfacer	2.8 Sealer	Hardener
100-42-5	§ Styrene.	50 <100>	50 <100>	PPM	4.3	17	32	
67-64-1	Acetone.	750 <1000>	750 <1000>	PPM	180.0	12	17	
78-93-3	§ Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0			2
141-78-6	Ethyl Acetate.	400	400	PPM	86.0		13	
7722-84-1	Hydrogen Peroxide	1	1	PPM				1
131-11-3	§ Dimethyl Phthalate.	5	5	Mg/M3				50
1338-23-4	Methyl Ethyl Ketone Peroxide.	C 0.2		PPM				35
14807-96-6	Talc	2	2	Mg/M3	as Resp. Dust	30		
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3 [Resp. Fraction]		1	1	
Weight per Gallon (lbs.)						10.98	8.20	9.50
Volatile Organic Compounds (VOC) - Total (lbs./gal.)						1.92	3.75	0.28
Volatile Organic Compounds (VOC) as Catalyzed and Applied (lbs./gal.)						0.1	1.62	
Flash Point (°F)						-4	25	141
DOL Storage Category						1B	1B	3A
Flammability Classification (Flammable - Combustible)						Flammable	Flammable	Combustible
HMIS (NFPA) Rating (health - flammability - reactivity)						2* 3 2	2* 3 2	2 2 2

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Polyester Primer Surfacer and 2.8 Sealer

POLY

Section III — PHYSICAL DATA

PRODUCT WEIGHT — See TABLE
SPECIFIC GRAVITY — 0.96-1.32
BOILING RANGE — 132-294 °F
SOLUBILITY IN WATER — N.A.

EVAPORATION RATE — Slower than Ether
VAPOR DENSITY — Heavier than Air
MELTING POINT — N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION See TABLE FLASH POINT See TABLE LEL 1.1 UEL 12.8
See TABLE

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. 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.

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: Get medical attention.

CHRONIC Health Hazards

Styrene is listed by IARC as a possible human carcinogen based on "inadequate evidence" in humans, "limited evidence" in animals, and the fact that it is metabolized to styrene oxide, which has been shown to induce cancer in animals. However, studies of humans exposed for long periods of time to styrene have not demonstrated any carcinogenic effect.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to blood forming and reproductive systems.

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

Section VI — REACTIVITY DATA

STABILITY

These products should be stored in cool areas (below 90 °F) away from sources of heat.

CONDITIONS TO AVOID

Storage temperature above 90 °F.

INCOMPATIBILITY

Avoid any contamination of Primer Surfacer or Sealer with polymerization catalysts such as peroxides and strong acids.

Do not put any mixed material back into the can of unmixed Primer Surfacer or Sealer.

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 these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste from unreacted Primer Surfacer, unreacted Sealer or unreacted Hardener would be considered hazardous because it exhibits reactive characteristics under RCRA. Waste from unreacted Primer Surfacer or unreacted Sealer must be tested for ignitability to determine the applicable EPA hazardous waste number. Properly catalyzed Primer Surfacer or Sealer would not be considered hazardous waste as defined by RCRA.

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

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

These products 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), 3 mg./m³ (respirable fraction), 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 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 sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY -- See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Primer Surfacer and Sealer are FLAMMABLE: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

Hardener is COMBUSTIBLE: Keep away from heat and open flame.

During use of these products 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

These products must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

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

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: The Primer Surfacer contain chemicals known to the State of California to cause birth defects or other reproductive harm. The 2.8 Sealer contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products 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.

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