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AUG 29 1994

H.M.I.S.	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

These ratings should be used only  
 as part of fully implemented H.M.I.S. program.

# MATERIAL SAFETY DATA SHEET

## SECTION I

PRODUCT CLASS	LATEX PAINT	DATE OF PREPARATION	8/18/94
TRADE NAME	PRO-HIDE PLUS LATEX SATIN ENAMEL SUPER ONE-COAT WHITE		
MANUFACTURER CODE I.D.	Z 9600	070894	C

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	% BY WGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL	SARA 313	VP mm Hg @ 20 DEG.C	MPPCF SKIN	
						PPM	MG/CU.M.
TITANIUM DIOXIDE	15	13463-67-7	TLV-TWA OSHA-PEL	10 10			

SKIN = SKIN ABSORPTION MUST BE CONSIDERED AS A ROUTE OF EXPOSURE  
 C-CEILING= ALLOW. EXPOSURE LEVEL SHOULD NOT BE EXCEEDED FOR ANY TIME PERIOD  
 MFR = MANUFACTURER RECOMMENDED EXPOSURE LIMIT  
 STEL = SHORT TERM EXPOSURE LIMIT  
 X-SARA 313 = CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313  
 OF TITLE III OF S.A.R.A. 40 CFR PART 372

## SECTION III - HEALTH INFORMATION

### EFFECTS OF SHORT TERM OVEREXPOSURE

#### SWALLOWING

May cause gastrointestinal irritation.

#### INHALATION

May cause respiratory irritation.

#### EYE

May cause transient eye irritation.

Liquid splashed into the eye may cause transient eye irritation.

#### SKIN

May cause transient skin irritation.

### EFFECTS OF REPEATED OVEREXPOSURE

None currently known

### SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH.

Titanium dioxide IS NOT listed as a potential carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, OSHA, or A.C.G.I.H. Titanium dioxide in a 24-month inhalation study with rats revealed a significant increase in benign and malignant lung tumors in the group exposed to 250mg/M3 respirable TiO2 dust. At lower exposure levels, this significant effect was not observed. The normal clearance mechanisms of the lungs may have been overwhelmed at the 250mg/M3 exposure level, and this may have contributed to the tumor formation. These results may not be directly relevant to the workplace where occupational exposure limits are observed. At the TLV the TiO2 manufacturer concludes that there is no significant hazard for man.

## SECTION IV - FIRST AID AND EMERGENCY PROCEDURES

### SWALLOWING

If swallowed call Poison Control Center, Hospital Emergency Room, or Physician immediately.

### INHALATION

Remove to fresh air.

### EYE

Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get medical attention.

### SKIN

Remove contaminated clothing. Wash affected area with soap and water. Obtain medical attention if irritation persists.

### NOTES TO PHYSICIAN

Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

## SECTION V - PHYSICAL DATA

BOILING RANGE	-28 DEG.F. ( -33 DEG.C.) TO 369 DEG.F. ( 187 DEG.C.)
VAPOR DENSITY	than air. % VOLATILE BY VOLUME 64
EVAPORATION RATE	VOC 1.30 lb/gal less water & NFRS* 156 g/l less water CALCULATED Slower than diethyl ether.
WEIGHT LB./GAL. 10.4	VOC 1.50 lb/gal solids 180 g/l solids CALCULATED
SPECIFIC GRAVITY 1.2	

**SECTION V - PHYSICAL DATA; (CONTINUED)**

All Physical data determined at 68 DEG. F. (20 DEG. C.) 760 mm Hg  
\* Negligibly Photochemically Reactive Materials

**SECTION VI - FIRE AND EXPLOSION DATA**

NFPA FLAMMABILITY CLASSIFICATION NOT A FLAMMABLE LIQUID  
FLASHPOINT Not applicable  
EXTINGUISHING MEDIA Will not burn.  
UNUSUAL FIRE AND EXPLOSION HAZARDS None known  
SPECIAL FIRE FIGHTING PROCEDURES None known

**SECTION VII - REACTIVITY DATA**

STABILITY Normally stable.  
CONDITIONS TO AVOID None known  
INCOMPATIBILITY (MATERIALS TO AVOID) None known  
HAZARDOUS DECOMPOSITION PRODUCTS Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide.  
HAZARDOUS POLYMERIZATION Will not occur  
CONDITIONS TO AVOID None known

**SECTION VIII - ENVIRONMENTAL INFORMATION**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Confine in small area; use absorbent to clean up. Place in container for disposal.  
WASTE DISPOSAL Dispose in accordance with federal, state and local regulations.  
RCRA CLASSIFICATION As produced, this product is not a waste. If discarded as is, it is not classified a hazardous waste under RCRA.  
ENVIRONMENTAL HAZARDS None known

**SECTION IX - PERSONAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION If applied by spraying, use an appropriate, properly fitted NIOSH/MSHA approved respirator to remove the spray mist. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection".  
VENTILATION Natural ventilation should be adequate under normal conditions.  
HAND PROTECTION Not likely to be needed.  
EYE PROTECTION Wear safety spectacles with side shields. Wear face shield as necessary when spraying.  
OTHER PROTECTIVE EQUIPMENT Not likely to be needed.

**SECTION X - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Protect from freezing.  
OTHER PRECAUTIONS Do not take internally. Close container after each use. Keep away from children.

**SECTION XI - OTHER INFORMATION**

**US DOT HAZARDOUS MATERIAL INFORMATION**

PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: NOT HAZARDOUS BY DOT  
ID NUMBER:  
PACKAGING GROUP: II

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. WHILE THE INFORMATION IS BELIEVED TO BE RELIABLE, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO

**SECTION XI - OTHER INFORMATION; (CONTINUED)**

BE OBTAINED FROM THE USE THEREOF. SINCE THE USE OF THIS INFORMATION AND THE CONDITIONS AND USE OF THIS PRODUCT ARE CONTROLLED BY THE USER, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT. The Corporate Safety and Environmental Affairs Department is responsible for the preparation of this Material Safety Data sheet.

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